

# Terminal blocks Catalogue 2018/2019

Let's connect.

Klippon® Connect - Connectivity



**Weidmüller** 

## Dear Customers,

The PDF versions of our catalogues offer practical additional functions, helping you to find your way around our product range and simplifying the ordering process.

In addition to the catalogue, the PDF also contains:

- Internal page links
- Links to the online catalogue

Try it out for yourself. Click the order number to obtain more detailed information and close-up images via your web browser. The links in the PDF file also enable you to go directly to the next desired catalogue page.

Further Weidmüller product catalogues can be accessed by clicking the following:



# Terminal blocks

## Catalogue 1

### Terminal blocks

#### Universal range

Spring connection with PUSH IN technology (A-Series / P-Series)

Spring connection with tension clamp technology (Z-Series)

Screw connection with clamping yoke technology (W-Series)

Screw connection with stud technology

#### Application range

Power feed-in

Power distribution

Control voltage distribution

Instrument transformer wiring

Signal wiring

DCS marshalling

Shielding and earthing

Building installation wiring

#### Notes, standards and definitions

### Appendix

#### Weidmüller Service and support

#### Index

Index Type / Order No.  
Addresses worldwide



# The Weidmüller range at a glance

## A world full of connections



### Applications



Photovoltaics



Wind



Weidmüller Monitoring Systems



Machinery

### Devices



Electronic housings



PCB RJ 45 sockets



PCB USB sockets



PCB power connectors  
PUSH IN



PCB power connectors  
screw



PCB power terminals  
PUSH IN



PCB power terminals  
screw



PCB signal connectors  
PUSH IN



PCB signal connectors  
screw



PCB signal terminals  
PUSH IN



PCB signal terminals  
screw

### Cabinet



Wireless routers



Routers



IoT gateways



IoT controllers with  
web-based engineering



Multi-touch panels



Communicative signal  
processing



Remote I/O



Switches unmanaged



Switches managed



Cable connectors



Communication-capable  
power supply



Service interfaces



Energy monitoring



Analogue signal conditioning



Solid-state relays



Power supplies



Buffer/USV/Batteries



Control voltage distribution



Safety relays



Surge protection signals



Terminals stud



Terminals screw



Terminals tension clamp



Terminals PUSH IN



Shielding and earthing



Interfaces



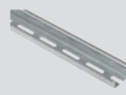
Surge protection power



Relay modules



Relays and solid-state relays



Mounting rails



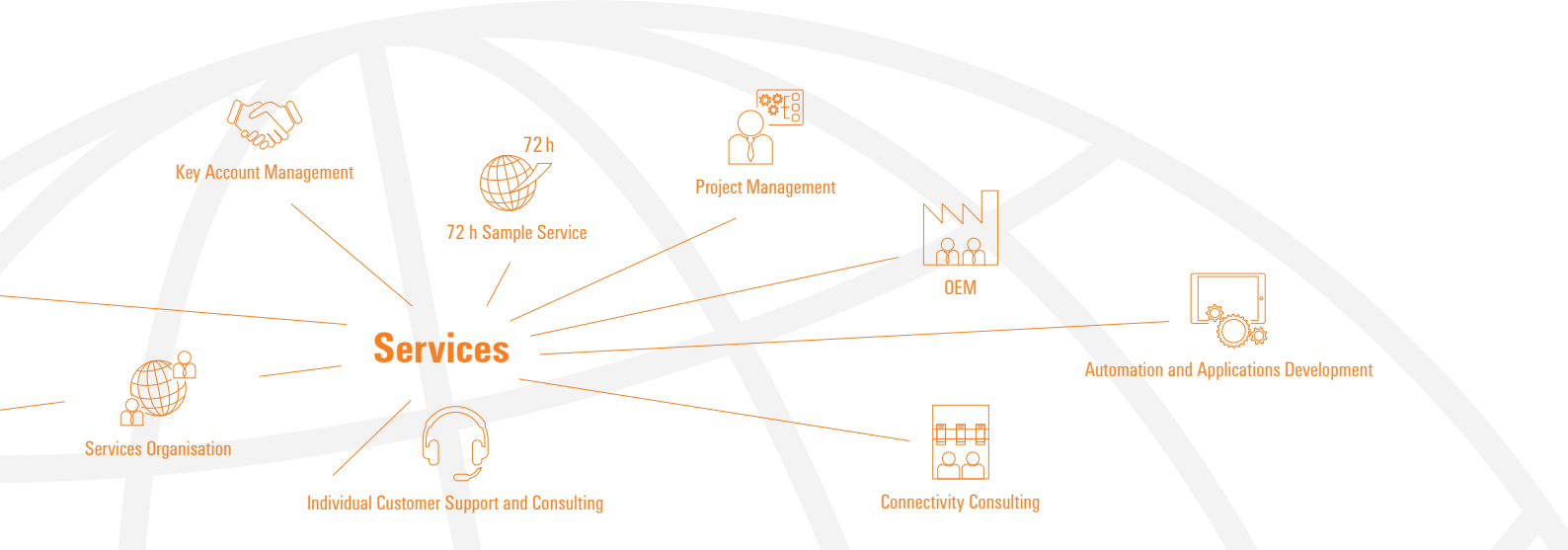
Assembled rails



Cable ducts



Filter fans



Remote Maintenance



Terminal Strip Assembly



Enclosure Assembly



Industrial Analytics

## Field



IE connections



Unmanaged switches IP 67



Contactless power transmission



SAI remote I/O



SAI passive



SAI interfaces



Decentralised power bus systems



Heavy-duty connectors



HighPower connectors



IE interfaces



Cord sets



Cable entry systems



Stainless steel enclosures



Aluminium enclosures



Plastic enclosures



Cable glands

## Workplace



Weidmüller Configurator



Systemised marking software



Printers (ink application)



Printers (thermal transfer)



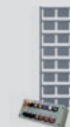
Wire markers



Cable markers



Terminal markers



Device markers



Testing



Other tools



Cutting



Stripping



Crimping



Machines

## Extra efficiency in planning, installation and operation

### Klippon® Connect provides you with added value at all stages

Panels are key elements of many industrial applications. They transmit signals, control data and distribute power – sometimes under the most adverse of conditions, such as vibrations, dust, cold or extreme heat. What is more, they have to be individually designed and built to suit the requirements and the industries they will be used in. All of the steps in the panel building process are key to increasing efficiency in the long term and exploiting potential for optimisation.

As your partner in Industrial Connectivity, we consider panel building to be an integrated process – from planning through installation to operation. The result is solutions that support products and processes to offer you added value at all stages. Klippon® Connect, our terminal block range, is the best example of this, given that it is another pioneering solution in the field of industrial connectivity.

#### Our promise

With Klippon® Connect, you benefit from productivity gains throughout the entire panel building process. These include time-saving planning and project planning, faultless wiring and faster marking operations, for example.



## Achieving greater productivity one step at a time

Every panel building process starts at the planning stage. It is here that the foundations for optimum set-up are laid. Once there is a plan in place, preparatory work and installation can start. The panel components are marked, wired and checked. The fully installed panel can then be put into operation. To ensure that you achieve the greatest possible level of efficiency in this process, we have continuously examined the optimisation potential of the individual phases of planning, installation and operation and how they interlink with one another. The result is innovative products and services that support you at all the stages of the panel building process.

### Up to 75 percent engineering

- Faster planning with the Weidmüller Configurator
- Error-free configuration through compatibility checks on products and accessories
- High level of transparency throughout the entire process thanks to linked data models
- Easy creation of product documentation



### High wiring density with maximum ease of installation

- Noticeably faster wiring with PUSH IN technology
- All product functions can be clearly distinguished
- Flexible potential distribution thanks to various cross-connection options
- Faster marking thanks to endless marker strip and large marking surfaces

### Higher availability during operation in the long term

- Simpler testing procedure thanks to integrated test point
- Hot rewiring possible without special tools thanks to PUSH IN technology with pushers
- Gas-tight and vibration-resistant connections for interference-free operation
- Flexible, simple modification and extension

# Solutions for more productivity

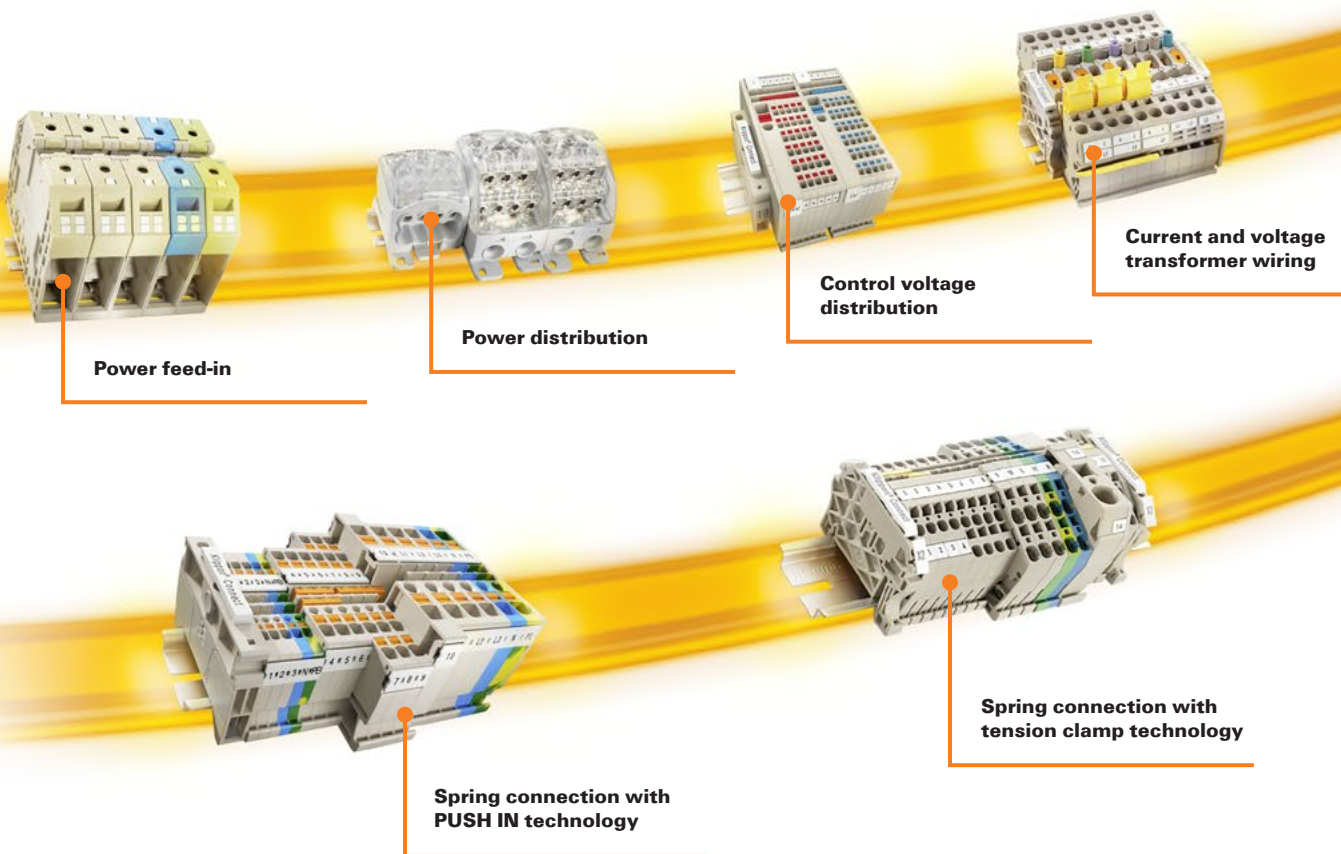
## Extremely flexible process design – with Klippon® Connect

Whether it is simple handling, more space in the panel or time saving on installation: Klippon® Connect offers numerous benefits for your process. In line with our range of terminal blocks, we can offer you an application range and a universal range. The particular requirements determine which is the most suitable.

Often, standardisation enables the right solution to be found with our sophisticated, function-oriented universal range. It provides you with practical product features. For recurring application fields, such as control voltage distribution or signal wiring, we offer you the ideal solutions with our application range. Thanks to the high level of application focus, these solutions really do help increase productivity, efficiency and safety. And when tailored configuration is required, our customer-specific assembly service is available.

### Our promise

With Klippon® Connect, we offer a comprehensive range of terminal blocks for high levels of productivity in your panel applications.





Building installation wiring

Shielding and earthing

DCS marshalling

Signal wiring

Screw connection with stud technology

Screw connection with clamping yoke technology

The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

The application range - application-specific and tailor-made

The universal range - flexible and versatile to use

The Klippon® Connect universal range is a complete range of standard products including all conventional connection technologies and functions.

# From intelligent item data to the finished panel

## Weidmüller Configurator: simpler configuration and ordering

Digital information is becoming increasingly important during product development. Starting with the product selection, configuration and creation of a virtual prototype through to the automated production and installation, end-to-end available data models are a cornerstone of digital production. This requires standardised product data and interfaces between the energy tools networked together and integration into the corporate IT environment. The "Weidmüller Configurator" software forms the ideal basis for end-to-end transparent panel planning.

### Our promise

The Weidmüller Configurator speeds up panel planning by up to 70 percent, thus increasing productivity. You can benefit from high levels of data transparency and availability throughout the entire engineering process.

### Integrated digital planning – quick and simple

#### Provision of intelligent item data

The product data from the software provide comprehensive support in configuration and can be fully integrated into all conventional engineering tools. The complete data transparency and availability across all process phases are a basic prerequisite for the implementation of Industry 4.0 in future panel building.

#### Simple and secure labelling

The Weidmüller Configurator enables virtually labelling of your whole project. Thanks to direct interfaces to CAD programs and the M-Print® PRO labelling software, you can plan and label your components in a single step.

#### Always the right configuration

The automatic filter function provides active assistance in putting together terminal blocks by preventing and automatically correcting incorrect assemblies. You can only add selected fitting accessories to your current configuration. This makes planning easier and saves a huge amount of time. At the same time, you can benefit from seamless documentation of your assembled terminal rails.

#### Fast and simple product enquiry

Once you have found your perfect combination, you can enquire about the components directly from the software – either as individual components or as a pre-assembled complete solution on a DIN rail which then only needs to be fitted to the mounting plate.

**Get started online now!**

The Weidmüller Configurator makes configuration easy. Visit our website and make the most of the wide range of benefits for your engineering process.

Full information on the software can be found here:

[www.weidmueller.com/configurator](http://www.weidmueller.com/configurator)

# Tailor-made terminal strips

## Flexibly designed to suit your requirements

Your processes in panel building have to be fast, flexible and productive. This is the only way you can cut your costs and increase efficiency. Depending on the application in question, you will have different requirements with respect to the engineering service, delivery speed and flexibility to be provided.

From ready-specified strips that are immediately available from stock, through simple configurations with a short delivery time, to complex solutions with a high engineering requirement, we can respond flexibly to your needs. Simply talk to our sales staff, so that, together, we can head off in the right direction for your project.

### Our promise

We believe that custom work is the perfect interaction between the product and the service. Both of these elements combine to form a single unit that guarantees the very best quality and thus satisfied customers, even when it comes to the terminal strips.



## 1.

### Defining the task

We support you right from the start:

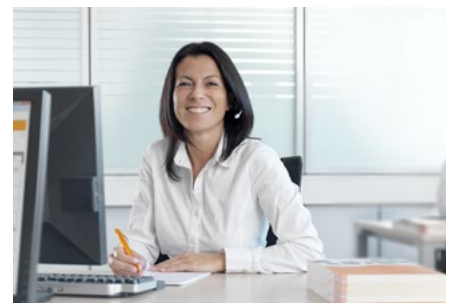
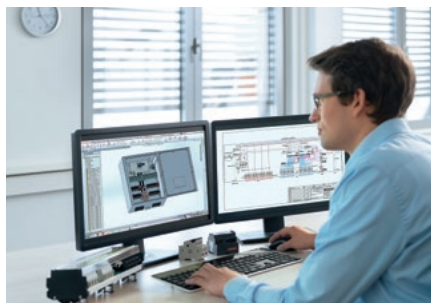
- Actual analysis
- Project definition

## 2.

### Advice

Individually to suit your needs:

- Over the phone and on site
- Application-specific product selection
- In-depth dialogue



**Product and service – perfectly coordinated to one another**

However your product is designed, at the end of the day you can rest assured that you are using the best solution. Simply tell us what you would like, and we will make it happen:

- Selection of materials for the terminal rails: steel, stainless steel, aluminium or plastic
- Machining the terminal rail: cutting, punching and attaching a wide range of different mounting aids
- Assembling the terminal strips with snap-on components (terminal blocks and electronic products, as well as additional products from other manufacturers as required)
- Establishing cross-connections
- Fitting standard conductors
- Marking terminals, devices, conductors and cables



4.

**Production, logistics, documentation**

- Everything from a single source:
- Production technology
  - Inventory management
  - Comprehensive documentation as per the customer's requirements

3.

**Application-specific development**

The foundation for your success:

- Joint solution development
- Bespoke configuration
- Sample production



**Service connects**

You will find information about other services from Weidmüller at:

[www.weidmueller.com/service](http://www.weidmueller.com/service)



# Universal range

<b>Universal range</b>	<b>Connection technologies</b>	<b>A.2</b>
	<b>Spring connection with PUSH IN technology (A-Series)</b>	<b>A.4</b>
	Feed-through terminal blocks	A.6
	PE terminal blocks	A.22
	Fuse terminal blocks	A.32
	Test-disconnect terminal blocks	A.38
	Pluggable terminal blocks	A.42
	Accessories	A.54
	<b>Spring connection with PUSH IN technology (P-Series)</b>	<b>A.68</b>
	Feed-through terminal blocks	A.70
	PE terminal blocks	A.78
	Fuse terminal blocks	A.84
	Test-disconnect terminal blocks	A.86
	Accessories	A.90
	<b>Spring connection with tension clamp technology (Z-Series)</b>	<b>A.96</b>
	Feed-through terminal blocks	A.98
	PE terminal blocks	A.136
	Fuse terminal blocks	A.154
	Test-disconnect terminal blocks	A.168
	Pluggable terminal blocks	A.174
	Terminal blocks with electronic components	A.196
	Accessories	A.204
	<b>Screw connection with clamping yoke technology (W-Series)</b>	<b>A.216</b>
	Feed-through terminal blocks	A.218
	PE terminal blocks	A.248
	Fuse terminal blocks	A.260
	Test-disconnect terminal blocks	A.280
	Pluggable terminal blocks	A.290
	Terminal blocks with electronic components	A.300
	Mini terminal blocks for enclosure wiring	A.306
	Accessories	A.312
	<b>Screw connection with stud technology</b>	<b>A.326</b>
	Feed-through terminal blocks	A.330
	Accessories	A.340
	Feed-through terminal blocks - ST4000	A.344

## Application-oriented wiring

### Klippon® Connect always offers the right connection technology

Terminal blocks have to withstand a great deal – day in and day out. In addition to being robust and reliable, they have to be clearly arranged and easy to use. This is the only way to prevent incorrect wiring and ensure reliably safe connections. Any choice of connection technology very much depends on the application in question.

#### Our promise

Whether you opt for a screw variant or a spring variant, our proven Weidmüller connection systems and the comprehensive Klippon® Connect product range allow you to complete all applications in the panel efficiently and flexibly.



#### Spring connection with PUSH IN technology

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

##### Connection sizes:

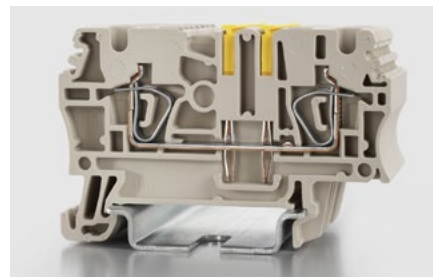
0.13 mm<sup>2</sup> to 16 mm<sup>2</sup>

##### Connection principle:

With the PUSH IN connection technology, the force on the conductor is generated by a pressure spring made of high-quality, acid-resistant stainless steel. The spring sits in a cage and is automatically opened upon connection. The proven Weidmüller system, which separates the mechanical and the electrical function, ensures both high rated data and high conductor pull-out forces.

##### Application and areas of use:

PUSH IN technology offers the decisive handling benefit wherever solid conductors or conductors with wire-end ferrules are used. And that is both in machine construction and in building installation.



#### Spring connection with tension clamp technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

##### Connection sizes:

0.05 mm<sup>2</sup> to 35 mm<sup>2</sup>

##### Connection principle:

The tension clamp system works in a similar way to the proven clamping yoke. The tension clamp made of high-quality, acid-resistant stainless steel pulls the conductor against the galvanised copper current bar. The surface-treated current bar permanently provides a low level of contact resistance and a high level of corrosion resistance.

##### Application and areas of use:

Its fast wiring times and vibration resistance make tension clamp technology an ideal connection solution in industrial zones such as machine construction, the automotive sector, railway construction and shipbuilding.





### Screw connection with clamping yoke technology

The patented Weidmüller clamping yoke system sets standards. The fact that it is simple to handle makes clamping yoke technology the universal screwed connection solution for all conductor types.

#### Connection sizes:

0.05 mm<sup>2</sup> to 240 mm<sup>2</sup>

#### Connection principle:

The clamping yoke system combines the specific properties of steel and copper. While the clamping yoke and clamping screw are made of hardened steel, the current is made of copper or high-quality copper alloy. The clamping yoke pulls the conductor to be connected against the current bar. Our clamping yoke system is maintenance-free and guarantees vibration-resistant connections.

#### Application and areas of use:

The Weidmüller clamping yoke connection is designed to meet the highest demands, such as those encountered in power generation, power measurement, process technology and even switchgear construction.



### Screw connection with stud technology

With stud technology, you are relying on an affordable and, at the same time, a safe and robust connection solution for applications in particularly harsh conditions.

#### Connection sizes:

10 mm<sup>2</sup> to 300 mm<sup>2</sup>

#### Connection principle:

Cable lugs crimped onto the ends of the conductor ensure a secure connection. The cable lugs are put on between the washer on the clamp support and the thrust washer on the stud. The reverse sides of the cable lugs are positioned against one another. Tightening the hexagon nut causes the cable lug flaps to press against one another – thereby creating a secure contact.

#### Application and areas of use:

Our stud terminals are particularly suitable for use within traffic engineering, since all stud terminals are tested according to International Railway Industry Standards.

## Fast wiring. But safe.

# Klippon® Connect enhances your efficiency with PUSH IN technology

A



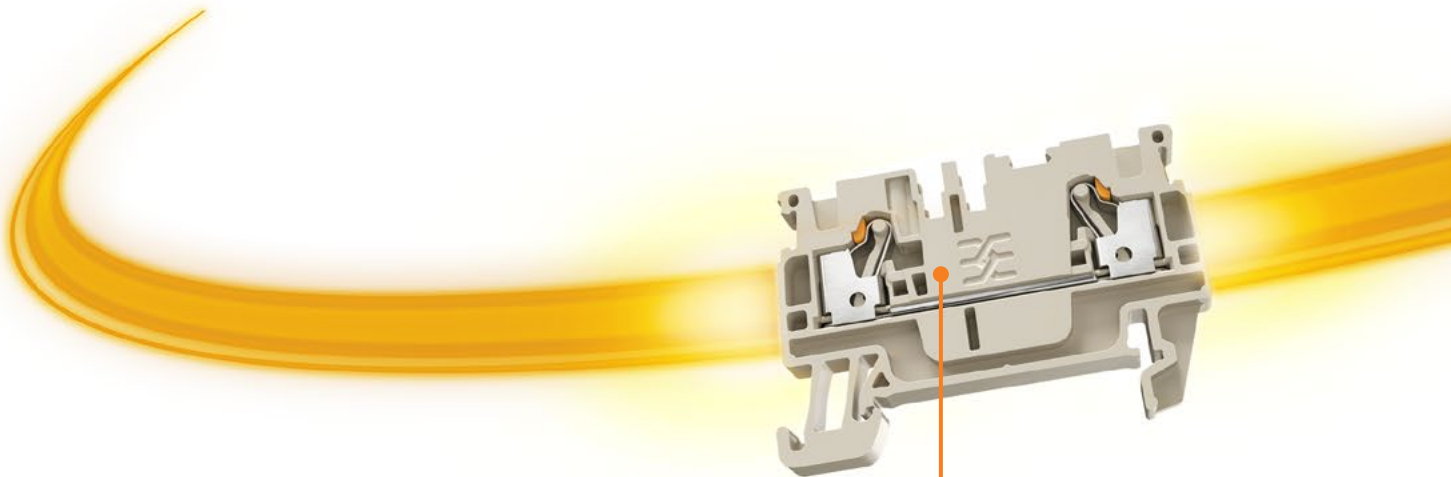
Increase your efficiency during installations without compromising on safety. The innovative PUSH IN technology reduces connection times for solid conductors and conductors with crimped-on wire-end ferrules by up to 50 percent compared to tension clamp terminals. The conductor is simply inserted into the contact point as far as the stop and that's it – you have a safe, gas-tight connection. Even stranded-wire conductors can be connected without any problem and without the need for special tools.



Safe and reliable connections are crucial, especially under harsh conditions, such as those encountered in the process industry. PUSH IN technology guarantees optimal contact security and ease of handling, even in demanding applications.

### Our promise

Klippon® Connect gives your panel design maximum flexibility thanks to PUSH IN technology. The extremely compact design and simple handling at the same time help to make processes more efficient right from the planning stage.



### Safety

- Standardised test point
- Optical and physical separation of operation and conductor entry
- Vibration-resistant, gas-tight connection with copper power rails and stainless steel spring



### Flexibility

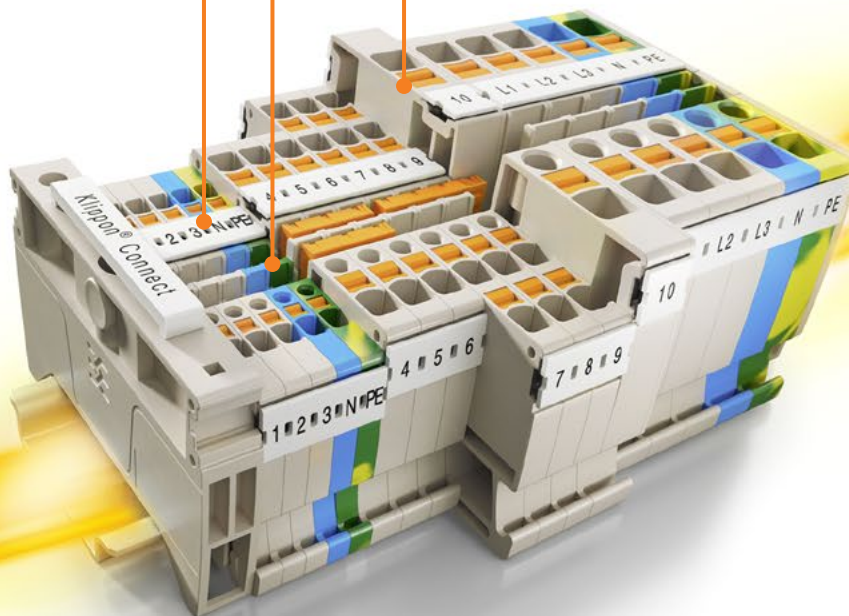
- Release the conductor with any tool
- Large marking surfaces make maintenance work easier
- Clip-in foot compensates for differences in terminal rail dimensions

### Time saving

- Mounting foot makes unlatching the terminal block easy
- Clear distinction made between all functional areas
- Easier marking and wiring

### Space-saving design

- Slim design creates a large amount of space in the panel
- High wiring density despite less space being required on the terminal rail



### Overview

Thanks to the extensive choice of accessories and the different cross-connection options, our PUSH IN terminal blocks are the perfect solution for every requirement.

#### Functional transparency:

All of the terminal blocks' functions can be clearly differentiated from one another – thus ensuring safe and efficient maintenance work.

#### Ready for automation:

A clear design and simple handling provide the perfect prerequisites for the automation of your panel design.

#### Safely prevent incorrect wiring:

The pusher for releasing the contacts ensures safe contact protection.



**Spring connection with PUSH IN technology (A-Series)**  
**Feed-through terminal blocks**

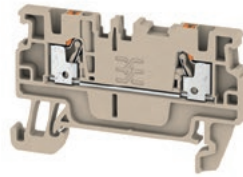
Universal range

A



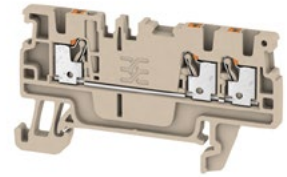
**A2C 1.5**

**1.5 mm<sup>2</sup>**



**A3C 1.5**

**1.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 55 x 33.5	
<b>17.5 / 1.5</b>	
<b>0.14...1.5</b>	

3.5 x 61.5 x 33.5	
<b>17.5 / 1.5</b>	
<b>0.14...1.5</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
500	300		
17.5	13		
1.5	AWG 26...14		
6 kV / 3			
A1 / V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Approval in progress			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
500	300		440
17.5	13		
1.5	AWG 26...14		1.5 mm <sup>2</sup>
6 kV / 3			
A1 / V-0			
TÜV16ATEX7909U			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Approval in progress			

**Ordering data**

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A2C 1.5	100	<b>1552790000</b>
A2C 1.5 BL	100	<b>1552820000</b>

Type	Qty.	Order No.
A3C 1.5	50	<b>1552740000</b>
A3C 1.5 BL	50	<b>1552770000</b>

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	<b>1985410000</b>
ZQV 1.5N/10	17.5 A	20	<b>1985580000</b>
AEP 2C 1.5		50	<b>1552600000</b>
AEP 2C 1.5 BL		50	<b>1552610000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 1.5 MI-R		50	<b>1991880000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDS 0.4X2.0X60		1	<b>9037160000</b>
WS 10/3.5 PLUS MC NE WS		960	<b>2003760000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>
DEK 5/3.5 PLUS MC NE WS		1600	<b>2003750000</b>

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	<b>1985410000</b>
ZQV 1.5N/10	17.5 A	20	<b>1985580000</b>
AEP 3C 1.5		50	<b>1552620000</b>
AEP 3C 1.5 BL		50	<b>1552630000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 1.5 MI-R		50	<b>1991880000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDS 0.4X2.0X60		1	<b>9037160000</b>
WS 10/3.5 PLUS MC NE WS		960	<b>2003760000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>
DEK 5/3.5 PLUS MC NE WS		1600	<b>2003750000</b>

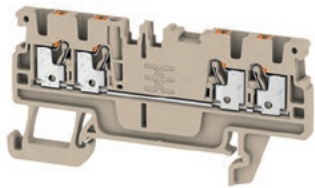
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

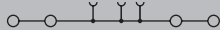
All MultiMark variants (MM) = strip markers

A4C 1.5

1.5 mm<sup>2</sup>



3.5 x 67.5 x 33.5  
17.5 / 1.5  
0.14...1.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300		
17.5	13		
1.5	AWG 26...14		
6 kV / 3			
A1 / V-0			

CE, VDE, TÜV

Rated connection

0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

8 / 0.4 x 2.0 mm

Approval in progress

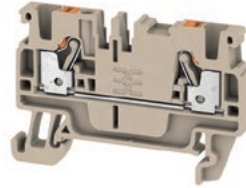
Type	Qty.	Order No.
A4C 1.5	100	1552690000
A4C 1.5 BL	100	1552700000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 4C 1.5		50	1552640000
AEP 4C 1.5 BL		50	1552650000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4x2.0x60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

A2C 2.5

2.5 mm<sup>2</sup>



5.1 x 55 x 36.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE, VDE, TÜV

TÜV16ATEX7909U

Rated connection

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Approval in progress

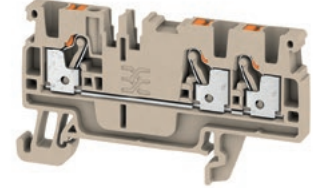
Type	Qty.	Order No.
A2C 2.5	100	1521850000
A2C 2.5 BL	100	1521880000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2C 2.5		50	1514400000
AEP 2C 2.5 BL		50	1514420000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0.6x3.5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

A3C 2.5

2.5 mm<sup>2</sup>



5.1 x 66.5 x 36.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE, VDE, TÜV

TÜV16ATEX7909U

Rated connection

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A3C 2.5	100	1521740000
A3C 2.5 BL	100	1521780000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3C 2.5		50	1521510000
AEP 3C 2.5 BL		50	1521520000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0.6x3.5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers



**Spring connection with PUSH IN technology (A-Series)**  
**Feed-through terminal blocks**

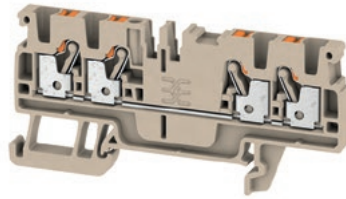
Universal range

A



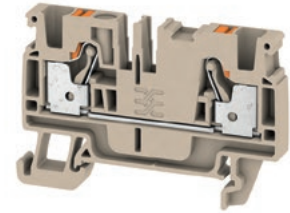
**A4C 2.5**

**2.5 mm<sup>2</sup>**



**A2C 4**

**4 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 77.5 x 36.5	
<b>24 / 2.5</b>	
<b>0.14...2.5</b>	

6.1 x 60 x 39.5	
<b>32 / 4</b>	
<b>0.5...4</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
CE    TÜV16ATEX7909U			
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			
CE    TÜV16ATEX7909U			
Rated connection			
0.5...4 / 0.5...4			
0.5...4 / 0.5...4			
12 / 0.6 x 3.5 mm			
Approval in progress			

**Ordering data**

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A4C 2.5	100	1521690000
A4C 2.5 BL	100	1521700000

Type	Qty.	Order No.
A2C 4	100	2051180000
A2C 4 BL	100	2051210000

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End plate			
AEP 4C 2.5		50	1521530000
AEP 4C 2.5 BL		50	1521640000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Test adapter			
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MHR		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
End plate			
AEP 2C 4		50	2051680000
AEP 2C 4 BL		50	2051690000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Test adapter			
ATPG 1.5-10 L		50	1991890000
ATPG 4 MHR		50	1991860000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 0,6x3,5x100		1	9042110000
Identification systems			
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000

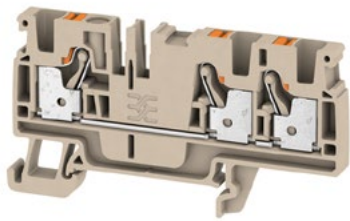
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

A3C 4

4 mm<sup>2</sup>



6.1 x 74 x 39.5  
32 / 4  
0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

CE TÜV16ATEX7909U

Rated connection

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
12 / 0.6 x 3.5 mm

Approval in progress

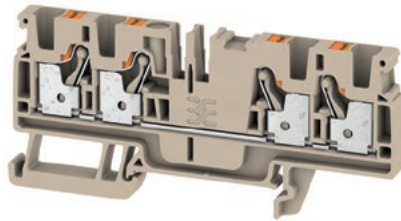
Type	Qty.	Order No.
A3C 4	50	2051240000
A3C 4 BL	50	2051280000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
AEP 3C 4		20	2051720000
AEP 3C 4 BL		20	2051880000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 4 M-R		50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000

All MultiMark variants (MM) = strip markers

A4C 4

4 mm<sup>2</sup>



6.1 x 87.5 x 39.5  
32 / 4  
0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

CE TÜV16ATEX7909U

Rated connection

0.5...4 / 0.5...4  
0.5...4 / 0.5...4  
12 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A4C 4	50	2051500000
A4C 4 BL	50	2051520000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
AEP 4C 4		20	2051900000
AEP 4C 4 BL		20	2051910000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 4 M-R		50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000

All MultiMark variants (MM) = strip markers



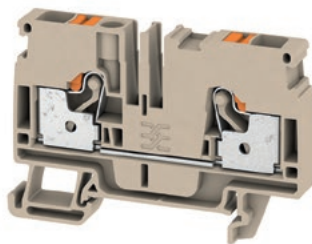
## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks



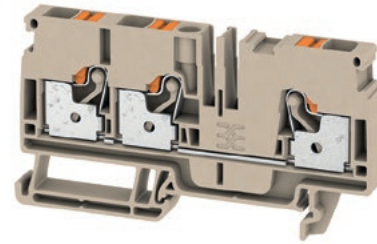
#### A2C 6

6 mm<sup>2</sup>



#### A3C 6

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 66.5 x 45.5
<b>41 / 6</b>
<b>0.5...6</b>

8.1 x 84.5 x 45.5
<b>41 / 6</b>
<b>0.5...6</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	38	38	
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>
8 kV / 3			
A5 / V-0			

CE TÜV16ATEX7909U

Rated connection	
0.5...6 / 0.5...6	
...6 / 0.5...6	
12 / 1.0 x 5.5 mm	

Approval in progress

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	38	38	
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>
8 kV / 3			
A5 / V-0			

CE TÜV16ATEX7909U

Rated connection	
0.5...6 / 0.5...6	
...6 / 0.5...6	
12 / 1.0 x 5.5 mm	

Approval in progress

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A2C 6	50	<b>1992110000</b>
A2C 6 BL	50	<b>1991790000</b>

Type	Qty.	Order No.
A3C 6	50	<b>1991820000</b>
A3C 6 BL	50	<b>1991830000</b>

#### Accessories

Pluggable cross-connection	2-pole
End plate	dark beige Blue
End bracket	dark beige dark beige
Test adapter	1-pole stackable
Test plug	
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 6N/2	41 A	60	<b>1985740000</b>
AEP 2C 6		50	<b>1991970000</b>
AEP 2C 6 BL		50	<b>1991950000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 6 M-R		50	<b>1991930000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
DEK-A 5/8 MM WS		500	<b>2448860000</b>
WS-A 8/8 MM WS		500	<b>2448930000</b>
DEK 5/8 PLUS MC NE WS		800	<b>1046350000</b>
WS 10/8 PLUS MC NE WS		420	<b>1905950000</b>

Type	current	Qty.	Order No.
ZQV 6N/2	41 A	60	<b>1985740000</b>
AEP 3C 6		50	<b>1991940000</b>
AEP 3C 6 BL		20	<b>1991910000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 6 M-R		50	<b>1991930000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
DEK-A 5/8 MM WS		500	<b>2448860000</b>
WS-A 8/8 MM WS		500	<b>2448930000</b>
DEK 5/8 PLUS MC NE WS		800	<b>1046350000</b>
WS 10/8 PLUS MC NE WS		420	<b>1905950000</b>

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers



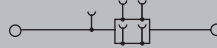
ALO 6

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9 x 77 x 45.5  
**41 / 6**  
**0.5...6**



### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

### Note

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	38	38	
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>
8 kV / 3			
A5 / V-0			

CE TÜV16ATEX7909U

### Rated connection

0.5...6 / 0.5...6
0.5...6 / 0.5...6
12 / 1.0 x 5.5 mm

Approval in progress

### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ALO 6	20	1991780000
ALO 6 BL	20	2065120000

### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
Test adapter			
ATPG 1.5-10 L		50	1991890000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 1,0x5,5x125		1	9042130000
Identification systems			
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers



Spring connection with PUSH IN technology (A-Series)  
Feed-through terminal blocks

Universal range

A



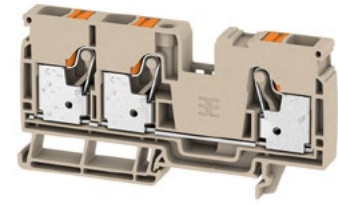
A2C 10

10 mm<sup>2</sup>



A3C 10

10 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

10 x 80.5 x 51.5
/ 10
0.5...10

10 x 102 x 51.5
/ 10
0.5...10

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

DIN EN 60947-7-1				
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>	
1000				
57				
10				
	8 kV / 3			
	A6 / V-0			
EH				
Rated connection				
0.5...10 / 0.5...10				
0.5...10 / 0.5...10				
18 / 1.0 x 5.5 mm				
Approval in progress				

DIN EN 60947-7-1				
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>	
1000				
57				
10				
	8 kV / 3			
	A6 / V-0			
EH				
Rated connection				
0.5...10 / 0.5...10				
0.5...10 / 0.5...10				
18 / 1.0 x 5.5 mm				
Approval in progress				

Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A2C 10	25	2490360000
A2C 10 BL	25	2490370000

Type	Qty.	Order No.
A3C 10	25	2490520000
A3C 10 BL	25	2490510000

Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Identification systems	
End plate	
	dark beige
	blue

Type	current	Qty.	Order No.
ZQV 10N/2		25	2497250000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
Test adapter			
ATPG 10 MI-R		50	1991870000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 1,0x5,5x125		1	9042130000
Identification systems			
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
End plate			
AEP 2C 10/16		20	2490380000
AEP 2C 10/16 BL		20	2490390000

Type	current	Qty.	Order No.
ZQV 10N/2		25	2497250000
End bracket			
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
Test adapter			
ATPG 10 MI-R		50	1991870000
Test plug			
PS 2.0 MC		20	0310000000
Screwdriver			
SDIL 1,0x5,5x125		1	9042130000
Identification systems			
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
End plate			
AEP 3C 10/16		20	2490530000
AEP 3C 10/16 BL		20	2490540000

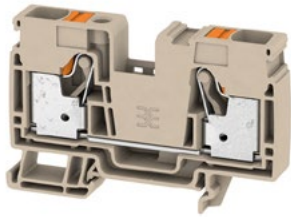
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

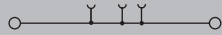
All MultiMark variants (MM) = strip markers

A2C 16

16 mm<sup>2</sup>



12 x 80.5 x 51.5  
/ 16  
0.75...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
76			
16			
8 kV / 3			
A6 / V-0			

EH

Rated connection

0.75...10 / 0.75...16  
0.75...16 / 1.5...16  
18 / 1.0 x 5.5 mm

Approval in progress

Type	Qty.	Order No.
A2C 16	20	2494000000
A2C 16 BL	20	2494100000

Type	current	Qty.	Order No.
ZQV 16N/2		25	2497290000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
AEP 3C 10/16		20	2490530000
AEP 3C 10/16 BL		20	2490540000

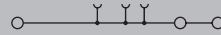
All MultiMark variants (MM) = strip markers

A3C 16

16 mm<sup>2</sup>



12 x 102 x 51.5  
/ 16  
0.75...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
76			
16			
8 kV / 3			
A6 / V-0			

EH

Rated connection

0.75...10 / 0.75...16  
0.75...16 / 1.5...16  
18 / 1.0 x 5.5 mm

Approval in progress

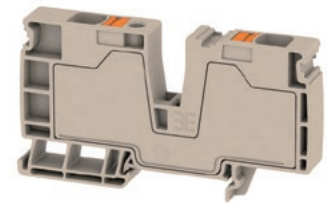
Type	Qty.	Order No.
A3C 16	20	2494090000
A3C 16 BL	20	2494080000

Type	current	Qty.	Order No.
ZQV 16N/2		25	2497290000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
AEP 3C 10/16		20	2490530000
AEP 3C 10/16 BL		20	2490540000

All MultiMark variants (MM) = strip markers

ALO 16

16 mm<sup>2</sup>



12 x 95.5 x 51.5  
/ 16  
0.75...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
76			
16			
8 kV / 3			
A6 / V-0			

Rated connection

0.75...10 / 0.75...16  
0.75...16 / 1.5...16  
18 / 1.0 x 5.5 mm

Approval in progress

Type	Qty.	Order No.
ALO 16	20	2502280000
ALO 16 BL	20	2502320000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
ZQV 6N/2	41 A	60	1985740000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

All MultiMark variants (MM) = strip markers



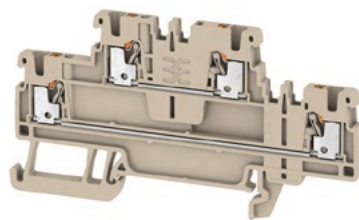
## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks



#### A2T 1.5

1.5 mm<sup>2</sup>

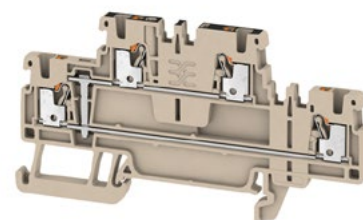


3.5 x 84 x 45  
/ 1.5  
0.14...1.5



#### A2T 1.5 VL

1.5 mm<sup>2</sup>



3.5 x 84 x 45  
/ 1.5  
0.14...1.5



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		
EH			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Approval in progress			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		
EH			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Approval in progress			

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A2T 1.5	50	2469370000
A2T 1.5 BL	50	2471430000

Type	Qty.	Order No.
A2T 1.5 VL	50	2469400000
A2T 1.5 VL BL	50	2471450000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	stackable
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
SNAPMARK I		50	1805880000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
SNAPMARK I		50	1805880000

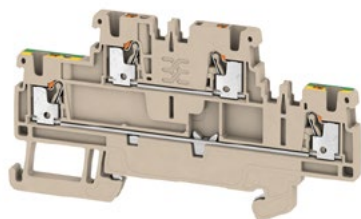
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

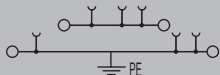
All MultiMark variants (MM) = strip markers

A2T 1.5 FT-PE

1.5 mm<sup>2</sup>



3.5 x 84 x 45  
/ 1.5  
0.14...1.5



IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
		6 kV / 3	
		A1 / V-0	

IEC

**Rated connection**

0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
A2T 1.5 FT-PE	50	2469390000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
SNAPMARK I		50	1805880000

All MultiMark variants (MM) = strip markers



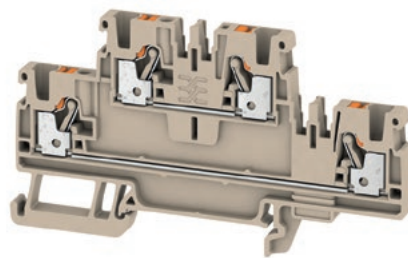
## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks



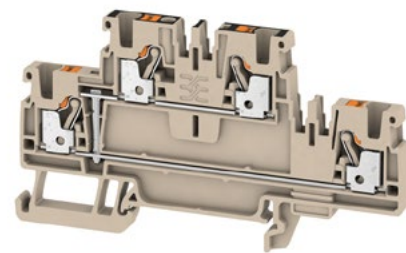
#### A2T 2.5

2.5 mm<sup>2</sup>



#### A2T 2.5 VL

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 90 x 50.5	
<b>24 / 2.5</b>	
<b>0.14...2.5</b>	

5.1 x 90 x 50.5	
<b>24 / 2.5</b>	
<b>0.14...2.5</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
TÜV16ATEX7909U			
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
Approval in progress			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
TÜV16ATEX7909U			
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
Approval in progress			

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A2T 2.5	50	1547610000
A2T 2.5 BL	50	1547620000

Type	Qty.	Order No.
A2T 2.5 VL	50	1547650000
A2T 2.5 VL BL	50	1547660000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5	20	1547690000	
AEP 2T 2.5 BL	20	1547700000	
AEB 35 SC/1	50	1991920000	
ZEW 35/2	20	8630740000	
ATPG 1.5-10 L	50	1991890000	
ATPG 2.5 MI-R	50	1991960000	
ATPG 2.5/3	25	2041190000	
ATPG 2.5/5	25	2041180000	
PS 2.0 MC	20	0310000000	
SDIL 0,6x3,5x100	1	9042110000	
DEK 5/5 PLUS MC NE WS	1000	1854490000	
DEK 5/5 MM WS	800	2007110000	
WS 8/5 MM WS	800	2007150000	
WS 10/5 M PLUS MC NE WS	600	2003770000	
SNAPMARK I	50	1805880000	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5	20	1547690000	
AEP 2T 2.5 BL	20	1547700000	
AEB 35 SC/1	50	1991920000	
ZEW 35/2	20	8630740000	
ATPG 1.5-10 L	50	1991890000	
ATPG 2.5 MI-R	50	1991960000	
ATPG 2.5/3	25	2041190000	
ATPG 2.5/5	25	2041180000	
PS 2.0 MC	20	0310000000	
SDIL 0,6x3,5x100	1	9042110000	
DEK 5/5 PLUS MC NE WS	1000	1854490000	
DEK 5/5 MM WS	800	2007110000	
WS 8/5 MM WS	800	2007150000	
WS 10/5 M PLUS MC NE WS	600	2003770000	
SNAPMARK I	50	1805880000	

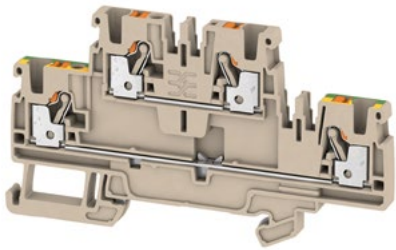
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

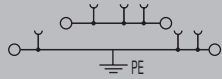
All MultiMark variants (MM) = strip markers

A2T 2.5 FT-PE

2.5 mm<sup>2</sup>



5.1 x 90 x 50.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	20	21
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE, RoHS, REACH, TÜV16ATEX7909U

**Rated connection**  
0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A2T 2.5 FT-PE	50	1547640000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

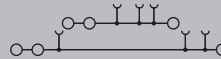
All MultiMark variants (MM) = strip markers

A2T 2.5 3C

2.5 mm<sup>2</sup>



5.1 x 114.5 x 64  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			550
24			21
2.5			2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE, TÜV16ATEX7909U

**Rated connection**  
0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A2T 2.5 3C	50	2531290000
A2T 2.5 3C BL	50	2531510000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5 3C		20	2532690000
AEP 2T 2.5 3C BL		20	2532700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

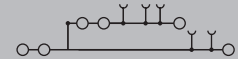
All MultiMark variants (MM) = strip markers

A2T 2.5 3C VL

2.5 mm<sup>2</sup>



5.1 x 114.5 x 64  
24 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			550
24			21
2.5			2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE, TÜV16ATEX7909U

**Rated connection**  
0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A2T 2.5 3C VL	50	2531310000
A2T 2.5 3C VL BL	50	2531530000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5 3C		20	2532690000
AEP 2T 2.5 3C BL		20	2532700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

All MultiMark variants (MM) = strip markers



## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks



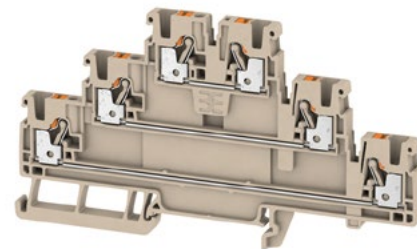
#### A2T 2.5 3C FT-PE

2.5 mm<sup>2</sup>



#### A3T 2.5

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 114.5 x 64
<b>24 / 2.5</b>
<b>0.14...2.5</b>

5.1 x 116 x 64.5
<b>22 / 2.5</b>
<b>0.14...2.5</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			550
24			21
2.5			2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
TÜV16ATEX7909U			
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
Approval in progress			

DIN EN 60947-7-1

IEC	UL	CSA	EN 60079-7
800	300		
22	20		
2.5	AWG 28...12		
8 kV / 3			
A3 / V-0			
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
Approval in progress			

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
A2T 2.5 3C FT-PE	50	2531300000

Type	Qty.	Order No.
A3T 2.5	50	2428510000
A3T 2.5 BL	50	2428520000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5 3C		20	2532690000
AEP 2T 2.5 3C BL		20	2532700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3T 2.5		20	2428560000
AEP 3T 2.5 BL		20	2428860000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

For detailed information on other accessories and application in the online catalogue

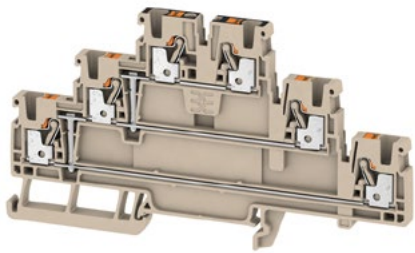
All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

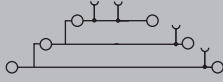


**A3T 2.5 VL**

**2.5 mm<sup>2</sup>**



5.1 x 116 x 64.5  
**24 / 2.5**  
**0.14...2.5**



DIN EN 60947-7-1

IEC	UL	CSA	EN 60079-7
800	300		
24	20		
2.5	AWG 28...12		
8 kV / 3			
A3 / V-0			



**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

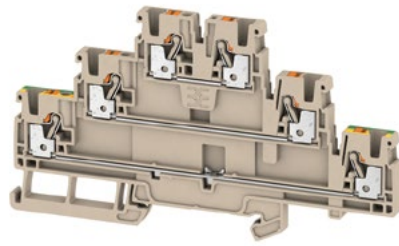
Type	Qty.	Order No.
A3T 2.5 VL	25	<b>2428540000</b>
A3T 2.5 VL BL	25	<b>2428850000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
AEP 3T 2.5		20	<b>2428560000</b>
AEP 3T 2.5 BL		20	<b>2428860000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35/2		20	<b>8630740000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 2.5 MI-R		50	<b>1991960000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS		600	<b>2003770000</b>
SNAPMARK I		50	<b>1805880000</b>

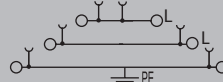
All MultiMark variants (MM) = strip markers

**A3T 2.5 FT-FT-PE**

**2.5 mm<sup>2</sup>**



5.1 x 116 x 64.5  
**24 / 2.5**  
**0.14...2.5**



DIN EN 60947-7-1, DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
800	300		
24	20		
2.5	AWG 28...12		
8 kV / 3			
A3 / V-0			



**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

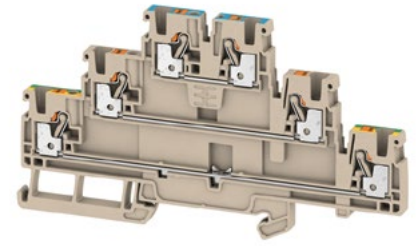
Type	Qty.	Order No.
A3T 2.5 FT-FT-PE	50	<b>2428530000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
AEP 3T 2.5		20	<b>2428560000</b>
AEP 3T 2.5 BL		20	<b>2428860000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35/2		20	<b>8630740000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 2.5 MI-R		50	<b>1991960000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS		600	<b>2003770000</b>
SNAPMARK I		50	<b>1805880000</b>

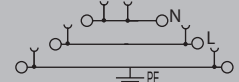
All MultiMark variants (MM) = strip markers

**A3T 2.5 N-FT-PE**

**2.5 mm<sup>2</sup>**



5.1 x 116 x 64.5  
**24 / 2.5**  
**0.14...2.5**



DIN EN 60947-7-1, DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
800	300		
24	20		
2.5	AWG 28...12		
8 kV / 3			
A3 / V-0			



**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A3T 2.5 N-FT-PE	50	<b>2428840000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
AEP 3T 2.5		20	<b>2428560000</b>
AEP 3T 2.5 BL		20	<b>2428860000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35/2		20	<b>8630740000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 2.5 MI-R		50	<b>1991960000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS		600	<b>2003770000</b>
SNAPMARK I		50	<b>1805880000</b>

All MultiMark variants (MM) = strip markers



## Spring connection with PUSH IN technology (A-Series)

### Feed-through terminal blocks



#### AMC 2.5

2.5 mm<sup>2</sup>



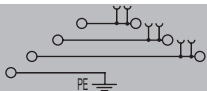
#### AMC 2.5 800 V

2.5 mm<sup>2</sup>

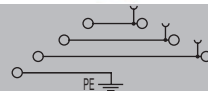


Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 107.5 x 88
<b>21 / 2.5</b>
<b>0.14...2.5</b>



6.1 x 107.5 x 88
<b>21 / 2.5</b>
<b>0.14...2.5</b>



#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

DIN EN 60947-7-1, DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
690	150		
22	20		
2.5	AWG 28...12		
8 kV / 3			
A3 / V-0			

CE, VDE, IEC

Rated connection	
0.5...2.5 / 0.5...2.5	mm <sup>2</sup>
0.5...2.5 / 0.5...2.5	mm <sup>2</sup>
10 / 0.6 x 3.5 mm	mm/-

Approval in progress

DIN EN 60947-7-1, DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600		
22	20		
2.5	AWG 28...12		
8 kV / 3			
A3 / V-0			

CE, VDE, IEC

Rated connection	
0.5...2.5 / 0.5...2.5	mm <sup>2</sup>
0.5...2.5 / 0.5...2.5	mm <sup>2</sup>
10 / 0.6 x 3.5 mm	mm/-

Approval in progress

#### Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
AMC 2.5	50	2434340000

Type	Qty.	Order No.
AMC 2.5 800V	50	2434370000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
Vertical jumpers	
	1-pole
End plate	
	dark beige
End bracket	
	dark beige
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
ZVQ 2.5/1.5	23 A	50	1720700000
AEP MC 2.5		25	2433820000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

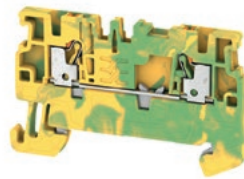


Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks



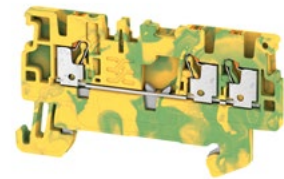
A2C 1.5 PE

1.5 mm<sup>2</sup>



A3C 1.5 PE

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 55 x 33.5	
/ 1.5	
0.14...1.5	

3.5 x 61.5 x 33.5	
/ 1.5	
0.14...1.5	

Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14		1.5 mm <sup>2</sup>
500			
6			
180 A (1.5 mm <sup>2</sup> )			
3			
A1 / V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Approval in progress			

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14		1.5 mm <sup>2</sup>
500			
6			
180 A (1.5 mm <sup>2</sup> )			
3			
A1 / V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Approval in progress			

Ordering data

Version	
	green/yellow
Note	

Type	Qty.	Order No.
A2C 1.5 PE	50	1552680000

Type	Qty.	Order No.
A3C 1.5 PE	50	1552670000

Accessories

End plate	dark beige
End bracket	dark beige
Test adapter	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
AEP 2C 1.5		50	1552600000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

Type	current	Qty.	Order No.
AEP 3C 1.5		50	1552620000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

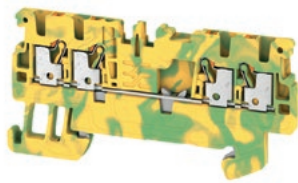
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

A4C 1.5 PE

1.5 mm<sup>2</sup>



3.5 x 67.5 x 33.5  
/ 1.5  
0.14...1.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14		1.5 mm <sup>2</sup>
500			
6			
	180 A (1.5 mm <sup>2</sup> )		
	3		
	A1 / V-0		

CE, RoHS, REACH, ENEC

**Rated connection**

0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

8 / 0.4 x 2.0 mm

Approval in progress

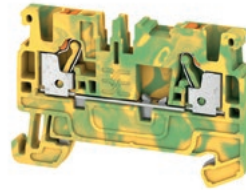
Type	Qty.	Order No.
A4C 1.5 PE	50	1552660000

Type	current	Qty.	Order No.
AEP 4C 1.5		50	1552640000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS	960		2003760000
DEK 5/3.5 MM WS	1000		2007100000
WS 8/3.5 MM WS	1000		2007140000
DEK 5/3.5 PLUS MC NE WS	1600		2003750000

All MultiMark variants (MM) = strip markers

A2C 2.5 PE

2.5 mm<sup>2</sup>



5.1 x 55 x 36.5  
/ 2.5  
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
800			
8			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A3 / V-0		

CE, RoHS, REACH, ENEC

**Rated connection**

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Approval in progress

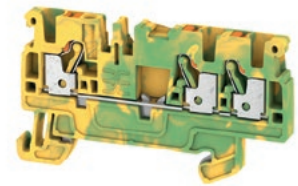
Type	Qty.	Order No.
A2C 2.5 PE	50	1521680000

Type	current	Qty.	Order No.
AEP 2C 2.5		50	1514400000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS	1000		1854490000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000
WS 10/5 M PLUS MC NE WS	600		2003770000

All MultiMark variants (MM) = strip markers

A3C 2.5 PE

2.5 mm<sup>2</sup>



5.1 x 66.5 x 36.5  
/ 2.5  
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
800			
8			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A3 / V-0		

CE, RoHS, REACH, ENEC

**Rated connection**

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A3C 2.5 PE	50	1521670000

Type	current	Qty.	Order No.
AEP 3C 2.5		50	1521510000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS	1000		1854490000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000
WS 10/5 M PLUS MC NE WS	600		2003770000

All MultiMark variants (MM) = strip markers



Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

Universal range

A

A4C 2.5 PE

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 77.5 x 36.5
/ 2.5
0.14...2.5

Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Note

Approval in progress

Ordering data

Version	green/yellow
Note	

Type	Qty.	Order No.
A4C 2.5 PE	50	1521540000

Accessories

End plate	dark beige
End bracket	dark beige
Test adapter	1-pole stackable 3-pole 5-pole
Test plug	
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
AEP 4C 2.5		50	1521530000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MHR		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

For detailed information on other accessories and application in the online catalogue

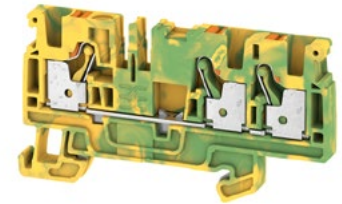
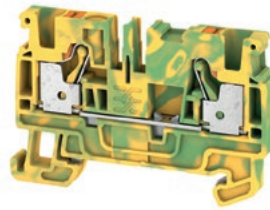
All MultiMark variants (MM) = strip markers

**A2C 4 PE**

**4 mm<sup>2</sup>**

**A3C 4 PE**

**4 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 60 x 39.5	
/ 4	
<b>0.5...4</b>	

6.1 x 74 x 39.5	
/ 4	
<b>0.5...4</b>	

**Technical data**

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
	480 A (4 mm <sup>2</sup> )		
	3		
	A4 / V-0		

CE

Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 / 0.6 x 3.5 mm	

Approval in progress

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
	480 A (4 mm <sup>2</sup> )		
	3		
	A4 / V-0		

CE

Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 / 0.6 x 3.5 mm	

Approval in progress

**Ordering data**

Version	green/yellow
Note	

Type	Qty.	Order No.
A2C 4 PE	50	<b>2051360000</b>

Type	Qty.	Order No.
A3C 4 PE	50	<b>2051410000</b>

**Accessories**

End plate	dark beige
End bracket	dark beige
Test adapter	1-pole stackable
Test plug	
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
AEP 2C 4		50	<b>2051680000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 4 MI-R		50	<b>1991860000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
WS 10/6 M PLUS MC NE WS		600	<b>2003780000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>
DEK 5/6 PLUS MC NE WS		1000	<b>1011320000</b>

Type	current	Qty.	Order No.
AEP 3C 4		20	<b>2051720000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 4 MI-R		50	<b>1991860000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
WS 10/6 M PLUS MC NE WS		600	<b>2003780000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>
DEK 5/6 PLUS MC NE WS		1000	<b>1011320000</b>

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers



## Spring connection with PUSH IN technology (A-Series) PE terminal blocks

Universal range

**A**



### A4C 4 PE

4 mm<sup>2</sup>



### A2C 6 PE

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 87.5 x 39.5	
/ 4	
0.5...4	

8.1 x 66.5 x 45.5	
/ 6	
0.5...6	

#### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4	AWG 28...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
	480 A (4 mm <sup>2</sup> )		
	3		
	A4 / V-0		

CE

Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 / 0.6 x 3.5 mm	

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>
800			
8			
	720 A (6 mm <sup>2</sup> )		
	3		
	A5 / V-0		

CE

Rated connection	
0.5...6 / 0.5...6	
0.5...6 / 0.5...6	
12 / 1.0 x 5.5 mm	

**Note**

Approval in progress

Approval in progress

#### Ordering data

Version	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
A4C 4 PE	50	2051560000

Type	Qty.	Order No.
A2C 6 PE	50	1991810000

#### Accessories

Accessories	Color
End plate	dark beige
End bracket	dark beige
Test adapter	1-pole stackable
Test plug	
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
AEP 4C 4		20	2051900000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 4 MI-R		50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000

Type	current	Qty.	Order No.
AEP 2C 6		50	1991970000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 6 MI-R		50	1991930000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
DEK-A 5/8 MM WS		500	2448860000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS-A 8/8 MM WS		500	2448930000
WS 10/8 PLUS MC NE WS		420	1905950000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

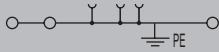


A3C 6 PE

6 mm<sup>2</sup>



8.1 x 84.5 x 45.5  
/ 6  
0.5...6



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>
800			
8			
	720 A (6 mm <sup>2</sup> )		
	3		
	A5 / V-0		

CE

**Rated connection**

0.5...6 / 0.5...6  
0.5...6 / 0.5...6  
12 / 1.0 x 5.5 mm

Approval in progress

Type	Qty.	Order No.
A3C 6 PE	50	1991850000

Type	current	Qty.	Order No.
AEP 3C 6		50	1991940000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 6 MI-R		50	1991930000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
DEK-A 5/8 MM WS		500	2448860000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS-A 8/8 MM WS		500	2448930000
WS 10/8 PLUS MC NE WS		420	1905950000

All MultiMark variants (MM) = strip markers

A2C 10 PE

10 mm<sup>2</sup>



10 x 80.5 x 51.5  
/ 10  
0.5...10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10			
	3		
	A6 / V-0		

IEC

**Rated connection**

0.5...10 / 0.5...10  
0.5...10 / 0.5...10  
18 / 1.0 x 5.5 mm

Approval in progress

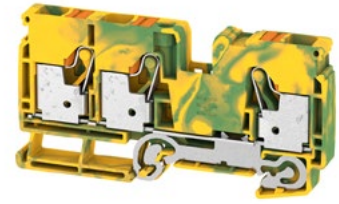
Type	Qty.	Order No.
A2C 10 PE	25	2490440000

Type	current	Qty.	Order No.
AEP 2C 10/16		20	2490380000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

All MultiMark variants (MM) = strip markers

A3C 10 PE

10 mm<sup>2</sup>



10 x 102 x 51.5  
/ 10  
0.5...10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10			
	3		
	A6 / V-0		

IEC

**Rated connection**

0.5...10 / 0.5...10  
0.5...10 / 0.5...10  
18 / 1.0 x 5.5 mm

Approval in progress

Type	Qty.	Order No.
A3C 10 PE	25	2490590000

Type	current	Qty.	Order No.
AEP 3C 10/16		20	2490530000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

All MultiMark variants (MM) = strip markers



Spring connection with PUSH IN technology (A-Series)  
PE terminal blocks

Universal range

A



A2C 16 PE

16 mm<sup>2</sup>



A3C 16 PE

16 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12 x 80.5 x 51.5	
/ 16	
0.75...16	

12 x 102 x 51.5	
/ 16	
0.75...16	

Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	-
Rated impulse withstand voltage to adjacent terminal	-
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
16			
	3		
	A6 / V-0		
EBC			
Rated connection			
0.75...10 / 0.75...16			
0.75...16 / 1.5...16			
18 / 1.0 x 5.5 mm			
Note			
Approval in progress			

IEC 60947-7-2			
IEC	UL	CSA	EN 60079-7
16			
	3		
	A6 / V-0		
EBC			
Rated connection			
0.75...10 / 0.75...16			
0.75...16 / 1.5...16			
18 / 1.0 x 5.5 mm			
Note			
Approval in progress			

Ordering data

Version	green/yellow
Note	

Type	Qty.	Order No.
A2C 16 PE	20	2494010000

Type	Qty.	Order No.
A3C 16 PE	20	2494020000

Accessories

End plate	dark beige
End bracket	dark beige
	dark beige
Test adapter	1-pole stackable
Test plug	
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
AEP 2C 10/16		20	2490380000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

Type	current	Qty.	Order No.
AEP 3C 10/16		20	2490530000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

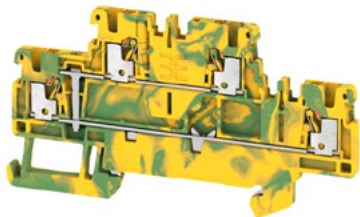
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

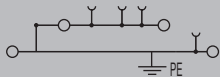
All MultiMark variants (MM) = strip markers

A2T 1.5 PE

1.5 mm<sup>2</sup>



3.5 x 84 x 45  
/ 1.5  
0.14...1.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14		
180 A (1.5 mm <sup>2</sup> )			
3			
A1 / V-0			

**Rated connection**

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1.5  
8 / 0.4 x 2.0 mm

Approval in progress

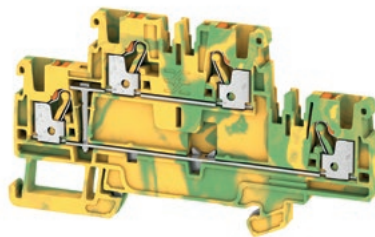
Type	Qty.	Order No.
A2T 1.5 PE	50	2469410000

Type	current	Qty.	Order No.
AEP 2T 1.5		20	2469420000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
SNAPMARK I		50	1805880000

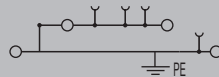
All MultiMark variants (MM) = strip markers

A2T 2.5 PE

2.5 mm<sup>2</sup>



5.1 x 90 x 50.5  
/ 2.5  
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12	AWG 28...12	2.5 mm <sup>2</sup>
800			
8	300 A (2.5 mm <sup>2</sup> )		
3			
A3 / V-0			

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A2T 2.5 PE	50	1547680000

Type	current	Qty.	Order No.
AEP 2T 2.5		20	1547690000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

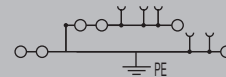
All MultiMark variants (MM) = strip markers

A2T 2.5 3C PE

2.5 mm<sup>2</sup>



5.1 x 114.2 x 64  
/ 2.5  
0.14...2.5



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5			
800			
8	300 A (2.5 mm <sup>2</sup> )		
3			
A3 / V-0			

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
A2T 2.5 3C PE	50	2531320000

Type	current	Qty.	Order No.
AEP 2T 2.5 3C		20	2532690000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers



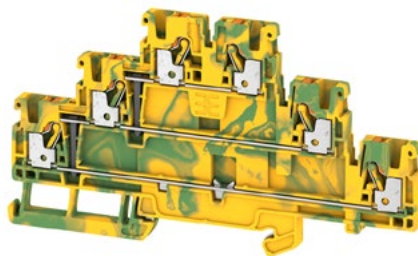
## Spring connection with PUSH IN technology (A-Series) PE terminal blocks

Universal range

**A**

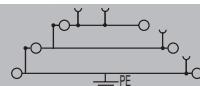
**A3T 2.5 PE**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 116 x 64.5  
/ 2.5  
0.14...2.5



### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	-
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

#### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

#### Note

DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 28...12		
8			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A3 / V-0		

**UL**

#### Rated connection

0.5...2.5 / 0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

Approval in progress

### Ordering data

Version	green/yellow
---------	--------------

#### Note

Type	Qty.	Order No.
A3T 2.5 PE	50	2428560000

### Accessories

End plate	dark beige
End bracket	dark beige
Test adapter	dark beige
Test plug	1-pole stackable
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
AEP 3T 2.5		20	2428560000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 M/R		50	1991960000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers





## Safety, protection and reliable disconnection of electrical circuits Klippon® Connect combines protective functions and quick assembly

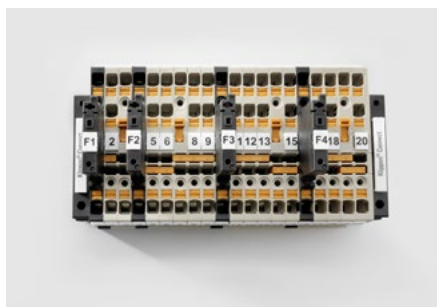
Current protection, disconnection, and voltage distribution are critical functions inside a panel. In order to provide staff and machinery with optimal protection, customisable connection solutions have to combine these aspects within a single system.

The new Klippon® Connect disconnect and fuse terminal blocks with PUSH IN technology offer passive current protection in combination with both disconnection and voltage distribution.

The terminal blocks from our universal range guarantee a high level of flexibility. Their compact dimensions enable a flexible installation even under confined space conditions.

### Functional clarity

In terms of their design, the terminal blocks are clearly distinguishable according to functionality and thus ensure safe and efficient maintenance work.





**Attached fuse holder**

Each fuse holder is attached to a terminal block with a hinge. This means that it will not go missing when the circuit is disconnected or when a fuse is replaced.



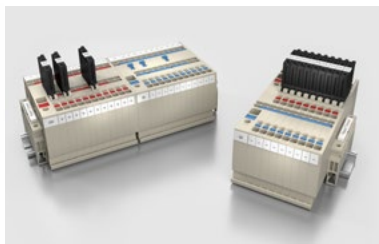
**Integrated test point**

The integrated test point simplifies troubleshooting and maintenance: Any required measurements can be performed with a standard 2.0 mm testing plug.



**Safe power supply to panel equipment**

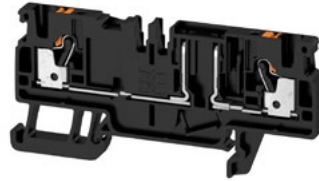
For an efficient control voltage distribution, Weidmüller offers potential distribution terminal blocks with and without fuse.



Spring connection with PUSH IN technology (A series)  
Fuse terminal blocks

AFS 2.5 CF 2C

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 77.5 x 37.65  
**10 / 2.5**  
**2.5...2.5**

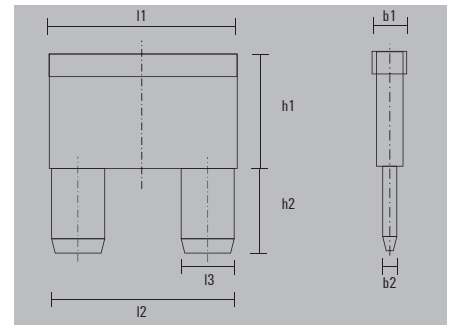
Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	
<b>Note</b>	

In accordance with IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
10			
2.5			
	/ 3		
	A3 /		
<b>Rated connection</b>			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
<b>Note</b>			
The electrical data are determined by the fuse and fault indication.			

Dimensions for blade-type fuse inserts according to DIN 72581-3:2001-03



Ordering data

<b>Version</b>	
	400 V DC
	12 V DC
	24 V DC
<b>Note</b>	

Type	Qty.	Order No.
AFS 2.5 CF 2C BK	50	2466530000
AFS 2.5 CF 2C 12V BK	50	2466610000
AFS 2.5 CF 2C 24V BK	50	2466600000
<b>Note</b>		
Blade-fuse inserts: from 42 V observe protection against contact.		

b1 max.	b2 ± 0.4	h1 max.	h2 ± 0.2	l1 max.	l2 ± 0.3	l3 ± 0.2
4	0.82	9	7.5	12	10.9	2.8
<b>dimensions in mm</b>						

Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate</b>	
	Black
<b>Test plug</b>	
<b>Terminal blocks identical in contour</b>	
<b>Screwdriver</b>	
	Standard
<b>Identification systems</b>	

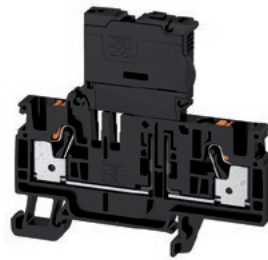
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
<b>AEP 4C 2.5 BK</b>			
		50	2486660000
<b>PS 2.0 MC</b>			
		20	0310000000
A3C 2.5		100	1521740000
A3C 2.5 PE		50	1521670000
ADT 2.5 2C		50	1989800000
A2C 2.5 /DT/FS		100	1989900000
A2C 2.5 PE /DT/FS		50	1989890000
<b>SDIL 0,6x3,5x100</b>			
		1	9042110000
<b>DEK 5/5 PLUS MC NE WS</b>			
		1000	1854490000
<b>WS 10/5 M PLUS MC NE WS</b>			
		600	2003770000
<b>DEK 5/5 MM WS</b>			
		800	2007110000
<b>WS 8/5 MM WS</b>			
		800	2007150000

For detailed information on other accessories and application in the online catalogue



AFS 4 2C

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 74 x 68  
6.3 / 4  
0.5...4



Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	
<b>Note</b>	

DIN EN 60947-7-3

IEC	UL	CSA	EN 60079-7
500	150 (C)		
6.3	10		
4	AWG 26...10		
/ 3			
A4 / V-0			
<b>Rated connection</b>			
0.5...4 / 0.5...4			
0.5...4 / 0.5...4			
12 / 0.6 x 3.5 mm			
<b>Note</b>			

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T <sub>a</sub> max.	Nominal values	T <sub>a</sub> max.	Nominal values
Individual	41 °C*	4,0 W / 6,3 A*	31 °C	1,6 W / 6,3 A
In combination	32 °C*	2,5 W / 6,3 A	34 °C	1,6 W / 6,3 A
<b>Note</b>				

Ordering data

Version	
	500 V AC/DC, without LED
	500 V AC/DC, without LED
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	100-250 V AC/DC, with LED
<b>Note</b>	

Type	Qty.	Order No.
AFS 4 2C BK	50	2429860000
AFS 4 2C BK/BL	50	2548140000
AFS 4 2C 10-36V BK	50	2429870000
AFS 4 2C 30-70V BK	50	2434350000
AFS 4 2C 60-150V BK	50	2434380000
AFS 4 2C 100-250V BK	50	2434390000
<b>Note</b>		

Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate</b>	
	Black
<b>Test plug</b>	
<b>Terminal blocks identical in contour</b>	
<b>Screwdriver</b>	
	Standard
<b>Identification systems</b>	
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
<b>Note</b>	
<b>For detailed information on other accessories and application in the online catalogue</b>	

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
<b>Note</b>			
AEP 3C 4 BK		20	2486640000
<b>Note</b>			
PS 2.0 MC		20	0310000000
<b>Note</b>			
A3C 4		50	2051240000
A3C 4 PE		50	2051410000
<b>Note</b>			
SDIL 0,6x3,5x100		1	9042110000
<b>Note</b>			
DEK 5/6 PLUS MC NE WS		1000	1011320000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
<b>Note</b>			
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
<b>Note</b>			



## Fuse cartridges and gauge rings for Weidmüller fuse terminal blocks

## Fuse cartridges

for terminal type:
PSI 6/10
WSI 4
WSI 6
AFS 4 2C BK
PSI 6/10 SW
ZSI 2.5
ZSI 2.5-2/2X2AN/G20
ZSI 6-2 2X2.5/G20
KDKS 1/35 DB



## Ordering data

G-type fuse cartridges 5 x 20 without indicator in accordance with IEC 60127-2 (VDE 0820 T.2 B1) <sup>1)</sup>						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
	0.1	quick-acting	G 20/0.10A/F	10	0430300000	
	0.2	quick-acting	G 20/0.20A/F	10	0430400000	
Cartridge fuse	G-Si. 5 x 20	0.25	quick-acting	G 20/0.25A/F	10	0430500000
Rated breaking capacity	1.5 kA	0.5	quick-acting	G 20/0.50A/F	10	0430600000
	0.63	quick-acting	G 20/0.63A/F	10	0439000000	
	1	quick-acting	G 20/1.00A/F	10	0430700000	
	1.6	quick-acting	G 20/1.60A/F	10	0430800000	
	2	quick-acting	G 20/2.00A/F	10	0430900000	
	2.5	quick-acting	G 20/2.50A/F	10	0431000000	
	3.15	quick-acting	G 20/3.15A/F	10	0431100000	
	4	quick-acting	G 20/4.00A/F	10	0431200000	
	5	quick-acting	G 20/5.00A/F	10	0431300000	
	6.3	quick-acting	G 20/6.30A/F	10	0431400000	

(M) = medium time-lag; (F) = quick-acting





**VDS180 SV7.62**



Type	Qty.	Order No.
VDS180 SV7.62	50	1853940000

# Spring connection with PUSH IN technology (A-Series)

## Test-disconnect terminal blocks

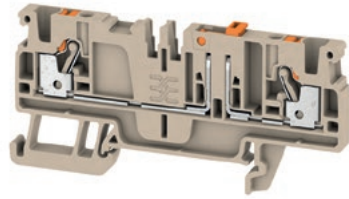
Universal range

A



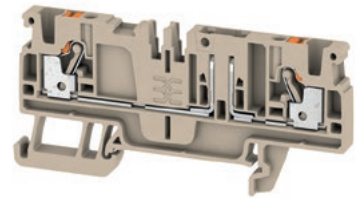
### ADT 2.5 2C

2.5 mm<sup>2</sup>



### ADT 2.5 2C W/O DTLV

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 77.5 x 37.65	
<b>20 / 2.5</b>	
<b>0.14...2.5</b>	

5.1 x 77.5 x 36.5	
<b>20 / 2.5</b>	
<b>0.14...2.5</b>	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Approval in progress

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Approval in progress

#### Ordering data

Version	
	dark beige
	blue
	without isolator
Note	

Type	Qty.	Order No.
ADT 2.5 2C	50	<b>1989800000</b>
ADT 2.5 2C BL	50	<b>1989810000</b>

Type	Qty.	Order No.
ADT 2.5 2C W/O DTLV	50	<b>1989930000</b>

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
End plate			
AEP 4C 2.5		50	<b>1521530000</b>
AEP 4C 2.5 BL		50	<b>1521640000</b>
End bracket			
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
Test adapter			
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 2.5 MI-R		50	<b>1991960000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
Test plug			
PS 2.0 MC		20	<b>0310000000</b>
Screwdriver			
SDIL 0,6x3,5x100		1	<b>9042110000</b>
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS		600	<b>2003770000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
End plate			
AEP 4C 2.5		50	<b>1521530000</b>
AEP 4C 2.5 BL		50	<b>1521640000</b>
End bracket			
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
Test adapter			
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 2.5 MI-R		50	<b>1991960000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
Test plug			
PS 2.0 MC		20	<b>0310000000</b>
Screwdriver			
SDIL 0,6x3,5x100		1	<b>9042110000</b>
Identification systems			
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS		600	<b>2003770000</b>

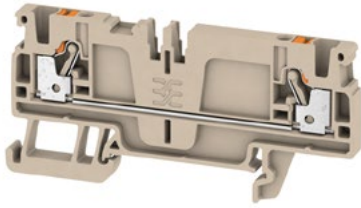
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

**A2C 2.5 /DT/FS**

**2.5 mm<sup>2</sup>**



5.1 x 77.5 x 36.5  
**24 / 2.5**  
**0.14...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Approval in progress

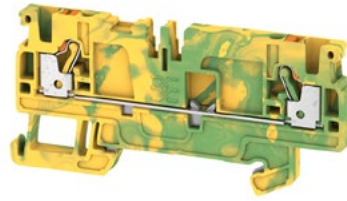
Type	Qty.	Order No.
A2C 2.5 /DT/FS	100	<b>1989900000</b>
A2C 2.5 /DT/FS BL	100	<b>1989910000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
AEP 4C 2.5		50	<b>1521530000</b>
AEP 4C 2.5 BL		50	<b>1521640000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 2.5 MI-R		50	<b>1991960000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS		600	<b>2003770000</b>

All MultiMark variants (MM) = strip markers

**A2C 2.5 PE /DT/FS**

**2.5 mm<sup>2</sup>**



5.1 x 77.5 x 36.5  
**/ 2.5**  
**0.14...2.5**



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
	600	600	
2.5	AWG 28...12	AWG 28...12	
/ 3			
A3 / V-0			

CE

**Rated connection**

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Approval in progress

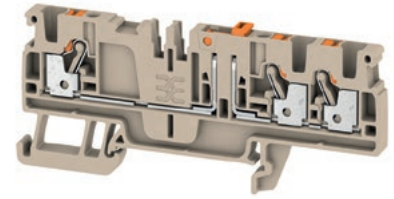
Type	Qty.	Order No.
A2C 2.5 PE /DT/FS	50	<b>1989890000</b>

Type	current	Qty.	Order No.
AEP 4C 2.5		50	<b>1521530000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 2.5 MI-R		50	<b>1991960000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS		600	<b>2003770000</b>

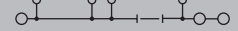
All MultiMark variants (MM) = strip markers

**ADT 2.5 3C**

**2.5 mm<sup>2</sup>**



5.1 x 84.5 x 37.65  
**20 / 2.5**  
**0.14...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
ADT 2.5 3C	50	<b>1989830000</b>
ADT 2.5 3C BL	50	<b>1989840000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
AEP DT 2.5 3C		50	<b>1989970000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 2.5 MI-R		50	<b>1991960000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS		600	<b>2003770000</b>

All MultiMark variants (MM) = strip markers



# Spring connection with PUSH IN technology (A-Series)

## Test-disconnect terminal blocks

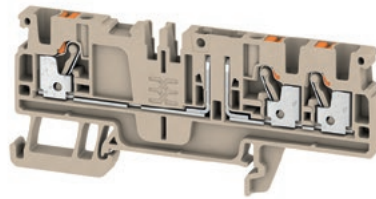
Universal range

A



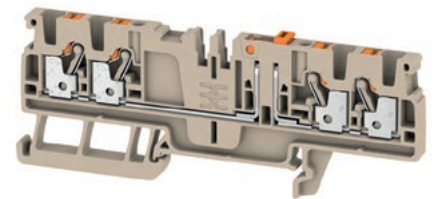
### ADT 2.5 3C W/O DTLV

2.5 mm<sup>2</sup>



### ADT 2.5 4C

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 84.5 x 36.5	
<b>20 / 2.5</b>	
<b>0.14...2.5</b>	

5.1 x 96 x 37.65	
<b>20 / 2.5</b>	
<b>0.14...2.5</b>	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Approval in progress

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...2.5 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Approval in progress

#### Ordering data

Version	
	dark beige
	blue
	without isolator
Note	

Type	Qty.	Order No.
ADT 2.5 3C W/O DTLV	50	<b>1989940000</b>

Type	Qty.	Order No.
ADT 2.5 4C	50	<b>1989860000</b>
ADT 2.5 4C BL	50	<b>1989870000</b>

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	stackable
	3-pole
	5-pole
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
AEP DT 2.5 3C			
		50	<b>1989970000</b>
AEB 35 SC/1			
		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L			
		50	<b>1991890000</b>
ATPG 2.5 MI-R			
		50	<b>1991960000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
PS 2.0 MC			
		20	<b>0310000000</b>
SDIL 0,6x3,5x100			
		1	<b>9042110000</b>
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS		600	<b>2003770000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
AEP DT 2.5 4C			
		50	<b>1989980000</b>
AEB 35 SC/1			
		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L			
		50	<b>1991890000</b>
ATPG 2.5 MI-R			
		50	<b>1991960000</b>
ATPG 2.5/3		25	<b>2041190000</b>
ATPG 2.5/5		25	<b>2041180000</b>
PS 2.0 MC			
		20	<b>0310000000</b>
SDIL 0,6x3,5x100			
		1	<b>9042110000</b>
DEK 5/5 PLUS MC NE WS		1000	<b>1854490000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
WS 10/5 M PLUS MC NE WS		600	<b>2003770000</b>

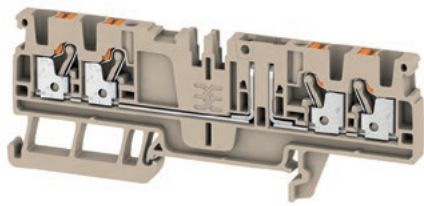
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

ADT 2.5 4C W/O DTLV

2.5 mm<sup>2</sup>



5.1 x 96 x 36.5  
20 / 2.5  
0.14...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	20	20	
2.5	AWG 28...12	AWG 28...12	
6 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Approval in progress

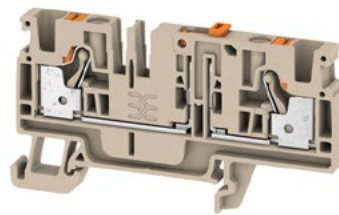
Type	Qty.	Order No.
ADT 2.5 4C W/O DTLV	50	1989950000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP DT 2.5 4C		50	1989980000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 2.5 MI-R		50	1991960000
ATPG 2.5/3		25	2041190000
ATPG 2.5/5		25	2041180000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers

ADT 4 2C

4 mm<sup>2</sup>



6.1 x 74 x 41  
20 / 4  
0.5...4



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500	600		
24	20		
4	AWG 26...10		
4 kV / 3			
A4 / V-0			

**Rated connection**

0.5...4 / 0.5...4

0.5...4 / 0.5...4

10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
ADT 4 2C	50	2429850000
ADT 4 2C BL	50	2429880000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
AEP 4C 4		20	2051900000
AEP 4C 4 BL		20	2051910000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 4 M-R		50	1991860000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000

All MultiMark variants (MM) = strip markers





## Fast, flexible and efficient connection of functional units

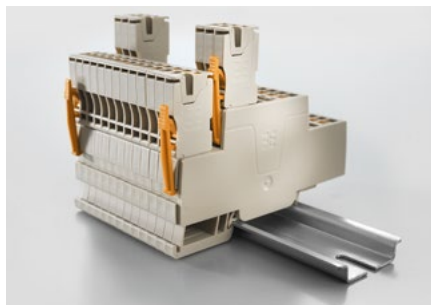
### Klippon® Connect modular pluggable terminal blocks

Modular and flexible connection techniques are in demand especially where entire functional units have to be prefabricated or replaced. Pluggable terminal blocks accelerate the assembly and simplify the exchange of functional units and the disassembly of parts for transport.

Klippon® Connect pluggable terminal blocks with PUSH IN connection technology combine the advantages of our unique connection technology with the flexibility of our connectors. They enable the quick and easy exchange of functional units in the control cabinet. The system works reliably even under the harshest conditions, and it is therefore also suitable for railway and ship applications.

#### Vibration resistance

All plugs can be connected safely and simply with the base terminal via the locking element. This protects your wiring from inadvertent disconnection of the connector.

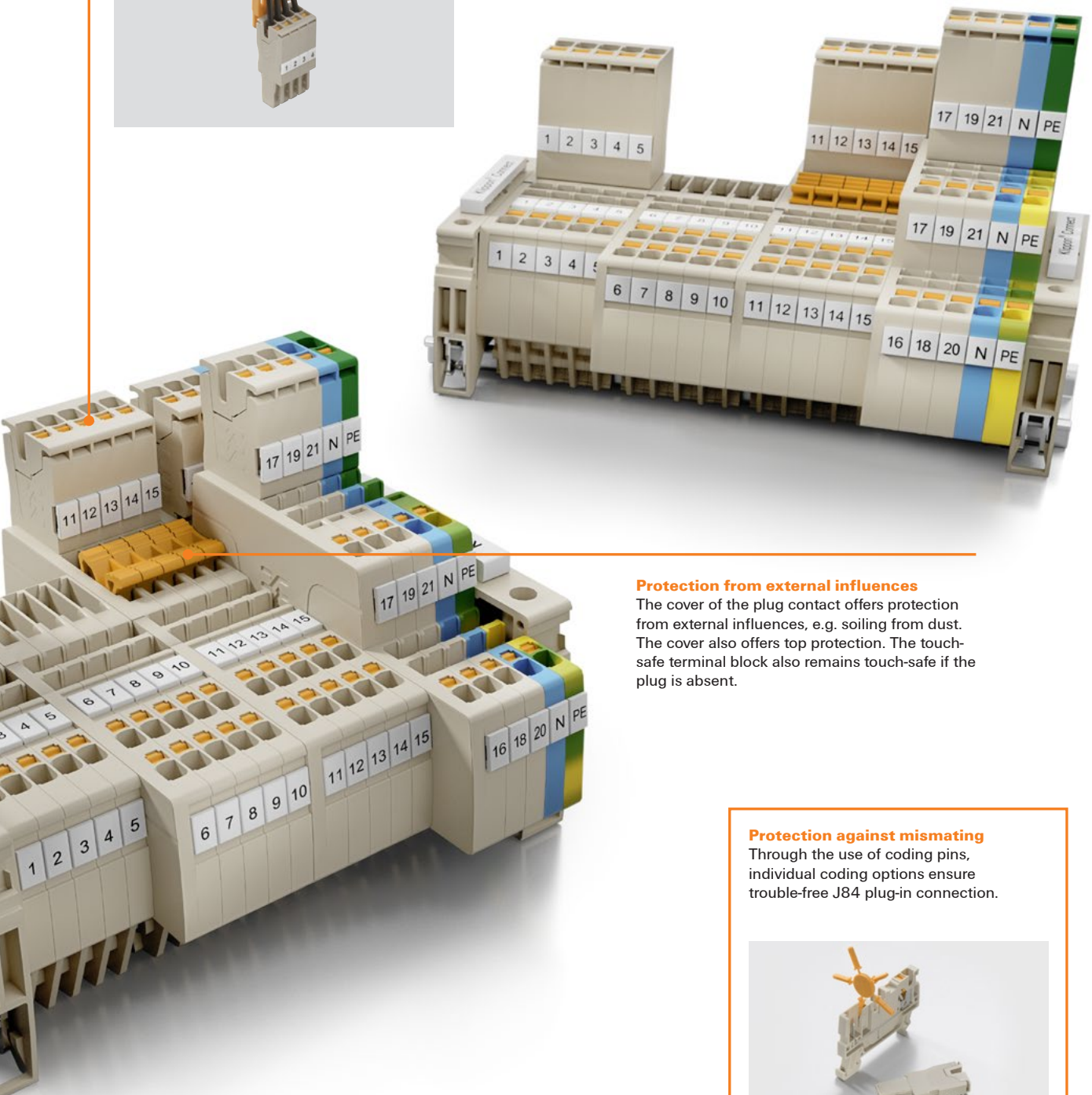






**Protection against mechanical loading**

The strain relief protects the contact against mechanical stress and protects the connector against inadvertent release from the contact point.



**Protection from external influences**

The cover of the plug contact offers protection from external influences, e.g. soiling from dust. The cover also offers top protection. The touch-safe terminal block also remains touch-safe if the plug is absent.

**Protection against mismatching**

Through the use of coding pins, individual coding options ensure trouble-free J84 plug-in connection.



# Spring connection with PUSH IN technology (A-Series)

## Pluggable terminal blocks

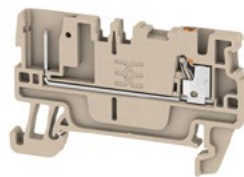
Universal range

A



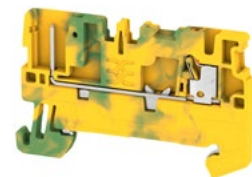
### APGTB 1.5 FT 2C/1

1.5 mm<sup>2</sup>



### APGTB 1.5 PE 2C/1

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 55 x 33.5	
/ 1.5	
0.14...1.5	

3.5 x 55 x 33.5	
/ 1.5	
0.14...1.5	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm <sup>2</sup> /-
Note	

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Approval in progress			

IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Approval in progress			

#### Ordering data

Version	
	dark beige
	blue
	green/yellow
Note	

Type	Qty.	Order No.
APGTB 1.5 FT 2C/1	50	2482160000
APGTB 1.5 FT 2C/1 BL	50	2482170000
Note		

Type	Qty.	Order No.
APGTB 1.5 PE 2C/1	50	2482200000
Note		

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Plug	
Test plug	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2C 1.5		50	1552600000
AEP 2C 1.5 BL		50	1552610000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2C 1.5		50	1552600000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

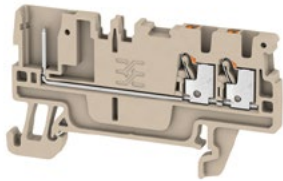
For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

APGTB 1.5 FT 3C/1

1.5 mm<sup>2</sup>



3.5 x 62 x 33.5  
/ 1.5  
0.14...1.5



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		

Rated connection

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

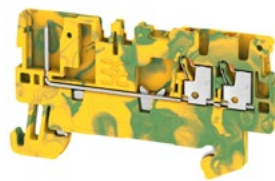
Type	Qty.	Order No.
APGTB 1.5 FT 3C/1	50	2482180000
APGTB 1.5 FT 3C/1 BL	50	2482190000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 3C 1.5		50	1552620000
AEP 3C 1.5 BL		50	1552630000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

APGTB 1.5 FT PE 3C/1

1.5 mm<sup>2</sup>



3.5 x 62 x 33.5  
/ 1.5  
0.14...1.5



IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		

Rated connection

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
APGTB 1.5 PE 3C/1	50	2482230000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 3C 1.5		50	1552620000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

APGTB 1.5 FT 4C/2

1.5 mm<sup>2</sup>



3.5 x 80 x 33.5  
/ 1.5  
0.14...1.5



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kV / 3		
	A1 / V-0		

Rated connection

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
APGTB 1.5 FT 4C/2	50	2482200000
APGTB 1.5 FT 4C/2 BL	50	2482210000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP PGTB 1.5 4C/2		50	2482510000
AEP PGTB 1.5 4C/2 BL		50	2482520000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers



**Spring connection with PUSH IN technology (A-Series)**  
**Pluggable terminal blocks**

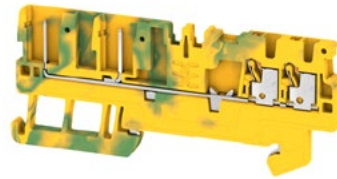
Universal range

A



**APGTB 1.5 PE 4C/2**

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 80 x 33.5	
/ 1.5	
0.14...1.5	

**Technical data**

<b>Rated data</b>	
Rated voltage of feed-through terminal	V
Rated current	-
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm <sup>2</sup> /-
<b>Note</b>	

IEC 60947-7-2, IEC 61984			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
		6 kV / 3	
		A1 / V-0	
<b>Rated connection</b>			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Approval in progress			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
	green/yellow
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
APGTB 1.5 PE 4C/2	50	2482240000

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
	dark beige
<b>Plug</b>	
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Identification systems</b>	

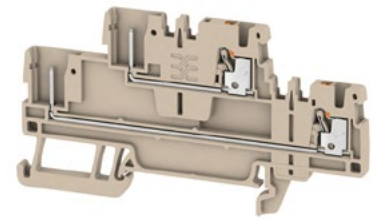
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP PGTB 1.5 4C/2		50	2482510000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

**APGTB 1.5 2T 4C/2**

1.5 mm<sup>2</sup>



3.5 x 84.5 x 45	
/ 1.5	
0.14...1.5	

IEC 60947-7-1, IEC 61984			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500			
		6 kV / 3	
		A1 / V-0	
<b>Rated connection</b>			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Approval in progress			

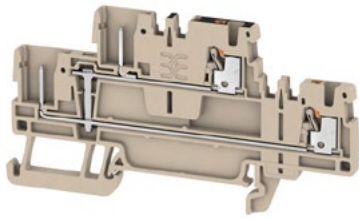
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
APGTB 1.5 2T 4C/2	50	2485840000
APGTB 1.5 2T 4C/2 BL	50	2485850000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers

APGTB 1.5 2T VL 4C/2

1.5 mm<sup>2</sup>



3.5 x 84.5 x 45  
/ 1.5  
0.14...1.5



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
6 kV / 3			
A1 / V-0			

Rated connection

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

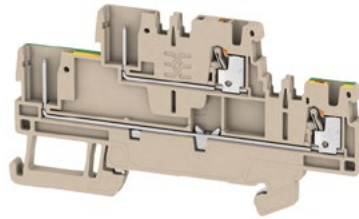
Type	Qty.	Order No.
APGTB 1.5 2T VL 4C/2	50	2485920000
APGTB 1.5 2T VL 4C/2 BL	50	2485930000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

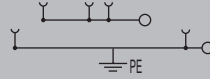
All MultiMark variants (MM) = strip markers

APGTB 1.5 2T FT PE 4C/2

1.5 mm<sup>2</sup>



3.5 x 84.5 x 45  
/ 1.5  
0.14...1.5



IEC 60947-7-1, IEC 61984, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
6 kV / 3			
A1 / V-0			

Rated connection

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

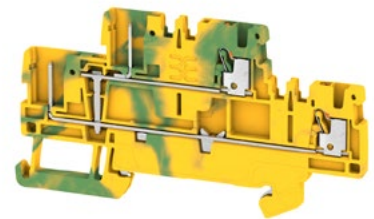
Type	Qty.	Order No.
APGTB 1.5 2T FT-PE 4C/2	50	2485860000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEP 2T 1.5 BL		20	2471470000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

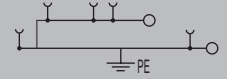
All MultiMark variants (MM) = strip markers

APGTB 1.5 2T PE 4C/2

1.5 mm<sup>2</sup>



3.5 x 84.5 x 45  
/ 1.5  
0.14...1.5



IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
6 kV / 3			
A1 / V-0			

Rated connection

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
APGTB 1.5 2T PE 4C/2	50	2485870000

Type	current	Qty.	Order No.
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
AEP 2T 1.5		20	2469420000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 1.5/1		50	2482340000
APG 1.5/10		20	2482430000
APG 1.5 MI		50	2482280000
APG 1.5 L		50	2482250000
APG 1.5 R		50	2482310000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers



**Spring connection with PUSH IN technology (A-Series)**  
**Pluggable terminal blocks**

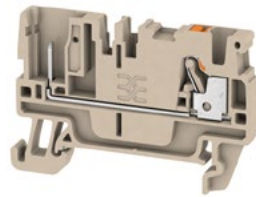
Universal range

A



**APGTB 2.5 FT 2C/1**

**2.5 mm<sup>2</sup>**



5.1 x 55 x 36.5  
**24 / 2.5**  
**0.14...2.5**



Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige
	blue
	green/yellow
Note	

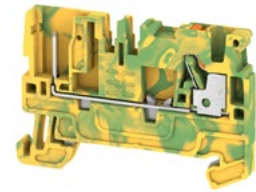
**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
	dark beige
	Blue
End bracket	
	dark beige
	dark beige
Plug	
Test plug	
Screwdriver	
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

**APGTB 2.5 PE 2C/1**

**2.5 mm<sup>2</sup>**



5.1 x 54 x 36.5  
**/ 2.5**  
**0.14...2.5**



IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			
Rated connection			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			

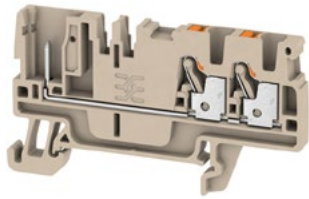
Type	Qty.	Order No.
APGTB 2.5 PE 2C/1	50	1513870000
Note		

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2C 2.5		50	1514400000
AEP 2C 2.5 BL		50	1514420000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS	1000		1854490000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000
WS 10/5 M PLUS MC NE WS	600		2003770000

All MultiMark variants (MM) = strip markers

APGTB 2.5 FT 3C/1

2.5 mm<sup>2</sup>



5.1 x 66.5 x 36.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

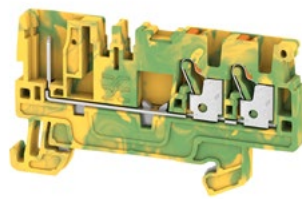
Type	Qty.	Order No.
APGTB 2.5 FT 3C/1	50	1514000000
APGTB 2.5 FT 3C/1 BL	50	1514020000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 3C 2.5		50	1521510000
AEP 3C 2.5 BL		50	1521520000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M MC NE WS		720	1792000000

All MultiMark variants (MM) = strip markers

APGTB 2.5 PE 3C/1

2.5 mm<sup>2</sup>



5.1 x 66.5 x 36.5  
/ 2.5  
0.14...2.5



IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

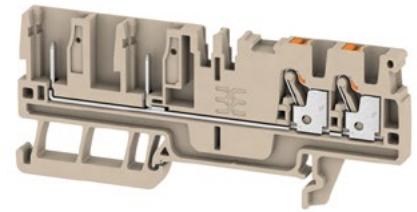
Type	Qty.	Order No.
APGTB 2.5 PE 3C/1	50	1513890000

Type	current	Qty.	Order No.
AEP 3C 2.5		50	1521510000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M MC NE WS		720	1792000000

All MultiMark variants (MM) = strip markers

APGTB 2.5 FT 4C/2

2.5 mm<sup>2</sup>



5.1 x 87 x 36.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



Rated connection

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
APGTB 2.5 FT 4C/2	50	1514030000
APGTB 2.5 FT 4C/2 BL	50	1514040000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP PGTB 2.5 4C/2		50	1514450000
AEP PGTB 2.5 4C/2 BL		50	1514470000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M MC NE WS		720	1792000000

All MultiMark variants (MM) = strip markers



Spring connection with PUSH IN technology (A-Series)  
Pluggable terminal blocks

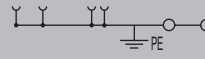


APGTB 2.5 PE 4C/2

2.5 mm<sup>2</sup>

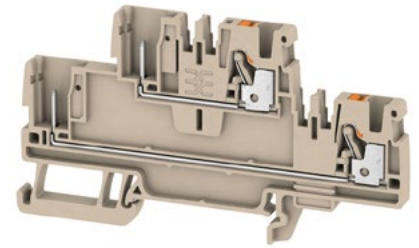


5.1 x 87 x 36.5  
/ 2.5  
0.14...2.5

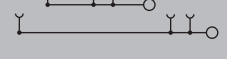


APGTB 2.5 2T 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
24 / 2.5  
0.14...2.5



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

Technical data

<b>Rated data</b>	
Rated voltage of feed-through terminal	V
Rated current	-
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

Ordering data

<b>Version</b>	
	dark beige
	blue
	green/yellow
<b>Note</b>	

Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
	dark beige
<b>Plug</b>	
<b>Test plug</b>	
<b>Screwdriver</b>	
	Standard
<b>Identification systems</b>	

IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		



<b>Rated connection</b>			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		



<b>Rated connection</b>			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Approval in progress			

Type	Qty.	Order No.
APGTB 2.5 PE 4C/2	50	1513920000

Type	current	Qty.	Order No.
AEP PGTB 2.5 4C/2		50	1514450000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS	1000		1854490000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000
WS 10/5 M MC NE WS	720		1792000000

All MultiMark variants (MM) = strip markers

Type	Qty.	Order No.
APGTB 2.5 2T 4C/2	50	1548060000
APGTB 2.5 2T 4C/2 BL	50	1548070000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS	1000		1854490000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000
WS 10/5 M PLUS MC NE WS	600		2003770000

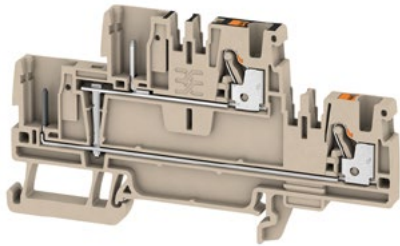
All MultiMark variants (MM) = strip markers

For detailed information on other accessories and application in the online catalogue



APGTB 2.5 2T VL 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

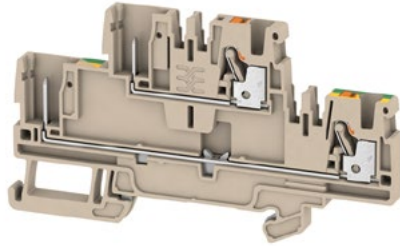
Type	Qty.	Order No.
APGTB 2.5 2T VL 4C/2	50	1548140000
APGTB 2.5 2T VL 4C/2 BL	50	1548150000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

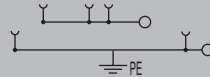
All MultiMark variants (MM) = strip markers

APGTB 2.5 2T FT-PE 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
24 / 2.5  
0.14...2.5



IEC 60947-7-1, IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600		
24	20		
2.5	AWG 28...12		
8 kV / 3			
A3 / V-0			



**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

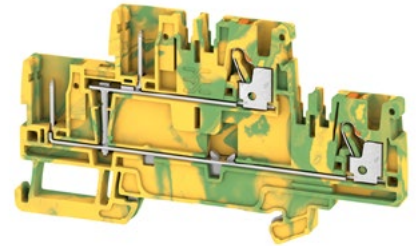
Type	Qty.	Order No.
APGTB 2.5 2T FT-PE 4C/2	50	1548130000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEP 2T 2.5 BL		20	1547700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/1		50	1513720000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

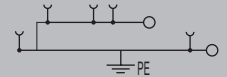
All MultiMark variants (MM) = strip markers

APGTB 2.5 2T PE 4C/2

2.5 mm<sup>2</sup>



5.1 x 91 x 50.5  
/ 2.5  
0.14...2.5



IEC 60947-7-2, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
8 kV / 3			
A3 / V-0			



**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
APGTB 2.5 2T PE 4C/2	50	1548160000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
AEP 2T 2.5		20	1547690000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
APG 2.5/10		20	1513770000
APG 2.5 MI		50	1513880000
APG 2.5 L		50	1513830000
APG 2.5 R		50	1513940000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers



Spring connection with PUSH IN technology (A-Series)  
Pluggable terminal blocks



APG 1.5...

1.5 mm<sup>2</sup>



APG 2.5...

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 14 x 31.15  
/ 1.5  
0.14...1.5

5.1 x 16.5 x 42.5  
24 / 2.5  
0.14...2.5

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
	6 kW / 3		
	A1 / V-0		
Rated connection		Plug-in connection	
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
8 / 0.4 x 2.0 mm			
Note			
Approval in progress			

IEC 61984

IEC	UL	CSA	EN 60079-7
500	600	600	
24	20	20	
2.5	AWG 28...12	AWG 28...12	
	8 kV / 3		
	A3 / V-0		
Rated connection		Plug-in connection	
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
Approval in progress			

Ordering data

Version	
1-pin	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
3-pole/BG-BL-GN	
4-pole/3BG-Gn	
5-pole/3BG-BL-GN	
Note	

Type	Qty.	Order No.
APG 1.5/1	50	2482340000
APG 1.5/2	25	2482350000
APG 1.5/3	25	2482360000
APG 1.5/4	25	2482370000
APG 1.5/5	25	2482380000
APG 1.5/6	25	2482390000
APG 1.5/7	25	2482400000
APG 1.5/8	20	2482410000
APG 1.5/9	20	2482420000
APG 1.5/10	20	2482430000
APG 1.5/3-BG-BL-GN	25	2482460000
APG 1.5/4-3BG-GN	25	2482450000
APG 1.5/5-3BG-BL-GN	25	2482440000

Type	Qty.	Order No.
APG 2.5/1	50	1513720000
APG 2.5/2	25	1513640000
APG 2.5/3	25	1513650000
APG 2.5/4	25	1513670000
APG 2.5/5	25	1513680000
APG 2.5/6	25	1513690000
APG 2.5/7	25	1513700000
APG 2.5/8	20	1513730000
APG 2.5/9	20	1513740000
APG 2.5/10	20	1513770000
APG 2.5/3-BG-BL-GN	25	1513820000
APG 2.5/4-3BG-GN	25	1513790000
APG 2.5/5-3BG-BL-GN	25	1513780000

Accessories

End plate	
	dark beige
Coding	
Cover	
Interlock	
Strain relief	
Identification systems	

Type	current	Qty.	Order No.
MCV APG 1.5		50	2485980000
APGCE		50	1514490000
APGPC 1.5		50	2482530000
APGLE 1.5		25	2482720000
APGSR 1.5		25	2482730000
APGSR 1.5/4		25	2482740000
APGSR 1.5/8		25	2482750000
WS 10/3.5 PLUS MC NE WS		960	2003760000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

Type	current	Qty.	Order No.
MCV APG 2.5		50	2035590000
APGCE		50	1514490000
APGPC 2.5		50	1514500000
APGLE 2.5		25	2457570000
APGSR 2.5		25	2457580000
APGSR 2.5/4		25	2457590000
APGSR 2.5/8		25	2457600000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M MC NE WS		720	1792000000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

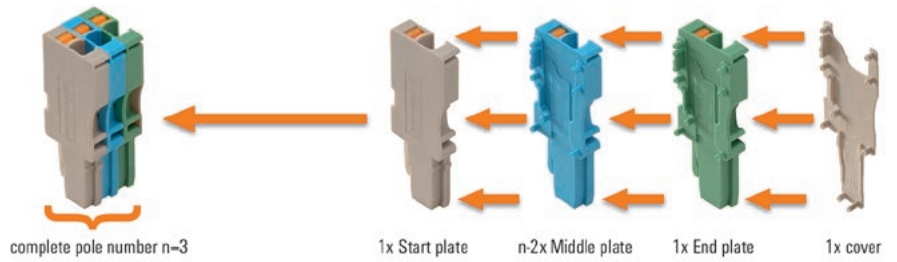




**Spring connection with PUSH IN technology (A-Series)**  
**Accessories**

**Single plates for individual assembly**

The individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on-site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).



**Plug**

- Single plates, plug APG 1.5 L
- Marking option

**APG 1.5**

**Start plate**



**APG 2.5**

**Middle plate or end plate**



Ordering data	
Single plates	
Start plate	
Middle plate	
End plate	
Cover	
<b>Note</b>	

Type	Qty.	Order No.
APG 1.5 L	50	2482250000
APG 1.5 L BL	50	2482260000
APG 1.5 L GN	50	2482270000
APG 1.5 MI	50	2482280000
APG 1.5 MI BL	50	2482290000
APG 1.5 MI GN	50	2482300000
APG 1.5 R	50	2482310000
APG 1.5 R BL	50	2482320000
APG 1.5 R GN	50	2482330000
MCV APG 1.5	50	2485980000

Type	Qty.	Order No.
APG 2.5 L	50	1513830000
APG 2.5 L BL	50	1513840000
APG 2.5 L GN	50	1513850000
APG 2.5 MI	50	1513880000
APG 2.5 MI BL	50	1513900000
APG 2.5 MI GN	50	1513930000
APG 2.5 R	50	1513940000
APG 2.5 R BL	50	1513950000
APG 2.5 R GN	50	1513980000
MCV APG 2.5	50	2035590000



### Coding elements

- For specific coding of the plug-in stations
- Protection against accidental mistake ensures process reliability

<b>Ordering data</b>	1.5 mm <sup>2</sup> / 2.5 mm <sup>2</sup>
<b>Note</b>	

### APGCE

#### Coding elements



Type	Qty.	Order No.
APGCE	50	1514490000

### Application



### Locking elements

- ZVR ZP to interlock with the terminal block
- ZVR ZPS interlock, plug – socket

<b>Ordering data</b>	1.5 mm <sup>2</sup> 2.5 mm <sup>2</sup>
<b>Note</b>	

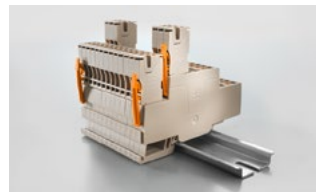
### APGLE

#### Locking element



Type	Qty.	Order No.
APGLE 1.5	25	2482720000
APGLE 2.5	25	2457570000

### Application



### Strain relief / protective cover

- ZVR ZP Strain relief transmits mechanical forces to the plastic housing and protects the contact point
- ZAD ZT / ZPS Finger protection Protects the contact point from dirt

<b>Ordering data</b>	1.5 mm <sup>2</sup>  2.5 mm <sup>2</sup>
<b>Note</b>	

### APGSR

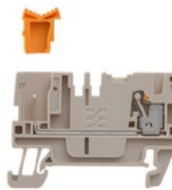
#### Strain reliefs



Type	Qty.	Order No.
APGSR 1.5	25	2482730000
APGSR 1.5/4	25	2482740000
APGSR 1.5/8	25	2482750000
APGSR 2.5	25	2457580000
APGSR 2.5/4	25	2457590000
APGSR 2.5/8	25	2457600000

### APGPC

#### Protective cover



Type	Qty.	Order No.
APGPC 1.5	50	2482530000
APGPC 2.5	50	1514500000

### Application





**Integrated partition plate**

**APP1**



Dimensions	
Width / Height / Depth	mm
Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C
Material	Wemid
UL 94 flammability rating	V-0
Ordering data	
	dark beige
Note	

2.5 / 52.67 / 36.15		
-60 °C		
130 °C		
Wemid		
V-0		
Type	Qty.	Order No.
APP 1	50	2488970000

**APP2**



2.5 / 75.51 / 45.15		
-60 °C		
130 °C		
Wemid		
V-0		
Type	Qty.	Order No.
APP 2	50	2489090000

**APP3**



2.5 / 104.2 / 45.15		
-60 °C		
130 °C		
Wemid		
V-0		
Type	Qty.	Order No.
APP 3	50	2489100000

**Integrated partition plate**

**APP4**



Dimensions	
Width / Height / Depth	mm
Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C
Material	Wemid
UL 94 flammability rating	V-0
Ordering data	
	dark beige
Note	

2.5 / 89.15 / 54.85		
-60 °C		
130 °C		
Wemid		
V-0		
Type	Qty.	Order No.
APP 4	50	2489110000



**Pluggable Cross-Connection ZQV**



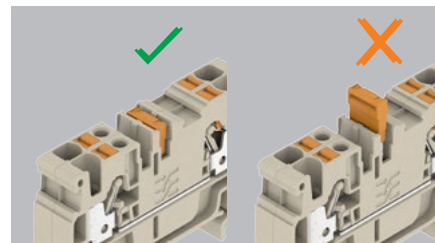
Weidmüller offers plug-in and screwed cross-connection systems for screw-connection terminal blocks. The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions. This also ensures that all poles always contact reliably.

**Fitting and changing crossconnections**

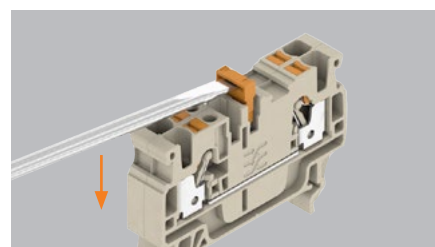
The fitting and changing of cross-connections is a trouble-free and fast operation:

- Insert the cross-connection into the crossconnection channel in the terminal...

... and press it fully home.  
(The cross-connection may not project from the channel.)

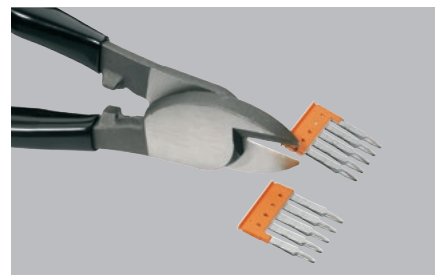


- Remove a cross-connection by simply prising it out with a screwdriver.



**Shortening cross-connections**

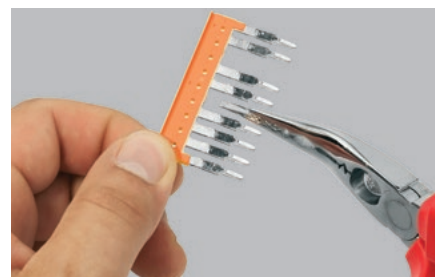
Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 9002170000). However, three contact elements must always be retained.



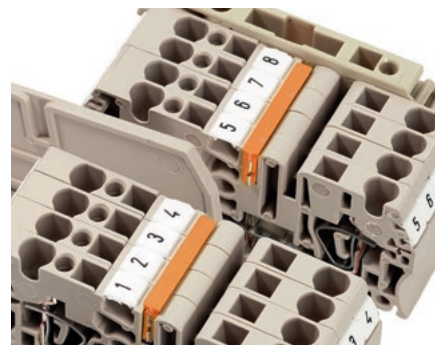
**Breaking out contact elements**

If one or more (max. 60 % for reasons of stability and temperature rise) of the contact elements are broken out of the cross-connections, terminals may be bypassed to suit the application.

**Caution:**  
Contact elements must not be deformed!

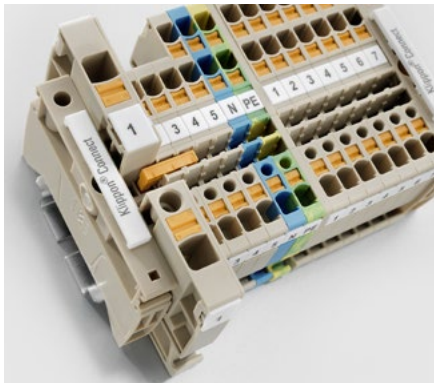


**Note:** By using manually cut ZQV and cross-connections with blank cut edges (> 10 poles) the voltage reduces to 25 V.





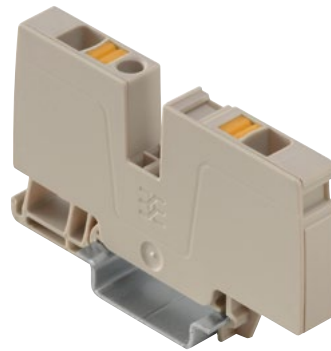
**ALO 6 supply terminal**



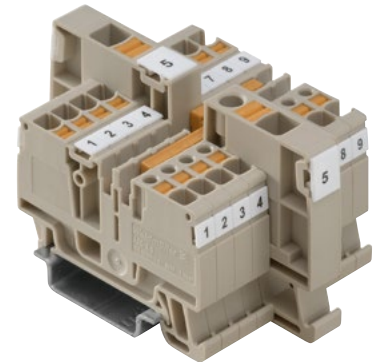
The ALO 6 supply terminal can be used for supplying current up to a conductor cross-section of 6 mm<sup>2</sup>. Standard cross-connections then distribute the current to any number of terminals with a smaller cross-sectional area.

The following tables show a number of options for distributing current at the supply point, together with corresponding cross-connections and the maximum current.

**Integrated partition plate**

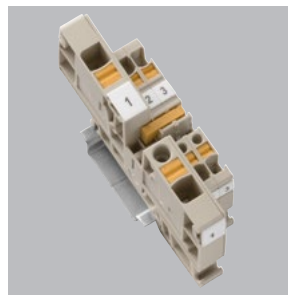


**Output possible on left and right**

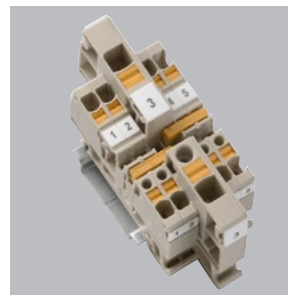


**Output options and corresponding cross-connections**

Feed terminal	Output terminal	Cross-connection	Supply left	Supply right
ALO 6	A2C 1.5	ZQV 1.5N	•	•
	A3C 1.5	ZQV 1.5N	•	•
	A4C 1.5	ZQV 1.5N	•	•
	A2C 2.5	ZQV 2.5N	•	•
	A3C 2.5	ZQV 2.5N	•	•
	A4C 2.5	ZQV 2.5N	•	•
	ADT 2.5 2C	ZQV 2.5N	•	•
	AFS 2.5 CF 2C BK	ZQV 2.5N	•	•



$I_{max} = \sum I_n \text{ (left)}$



$I_{max} = \sum I_n \text{ (left)} + \sum I_n \text{ (right)}$



$I_{max} = \sum I_n \text{ (right)}$

**Maximum current flow  $I_{max}$  only with ALO xx**

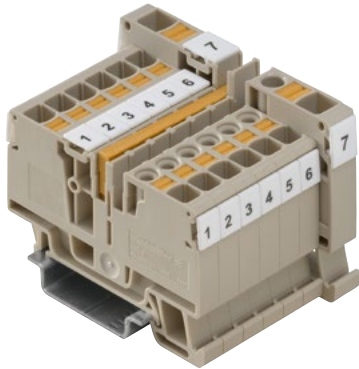
Feed terminal	Cross-connection	Supply conductor cross-section area	Supply left or right	Supply middle
A2C 1.5	ZQV 1.5N	6 mm <sup>2</sup>	41 A	41 A
A2C 2.5	ZQV 2.5N	6 mm <sup>2</sup>	41 A	41 A



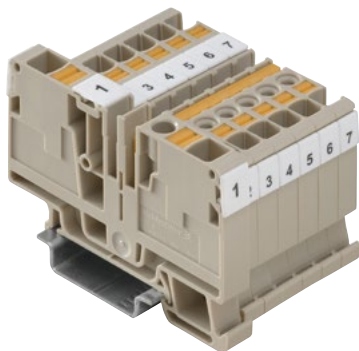
Supply with standard terminals

According to IEC 60204-1 and IEC 60 439-1, when reducing the conductors within distribution boards and controllers, protective devices for cables and conductors can be installed up to a maximum of 3 meters away from the supply side and need not be positioned at the beginning of the supply side. The conductor before the output fuse must be routed to make it "short-circuit proof".

Supply on the right



Supply on the left

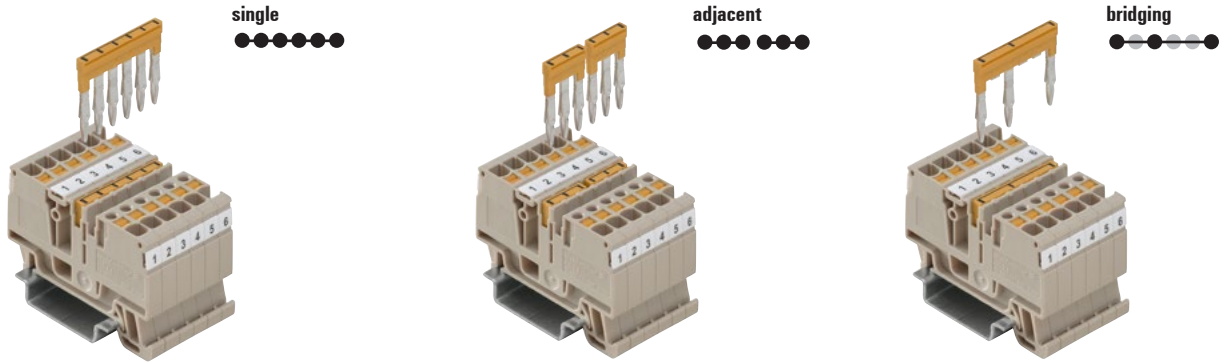


Supply options and corresponding cross-connections

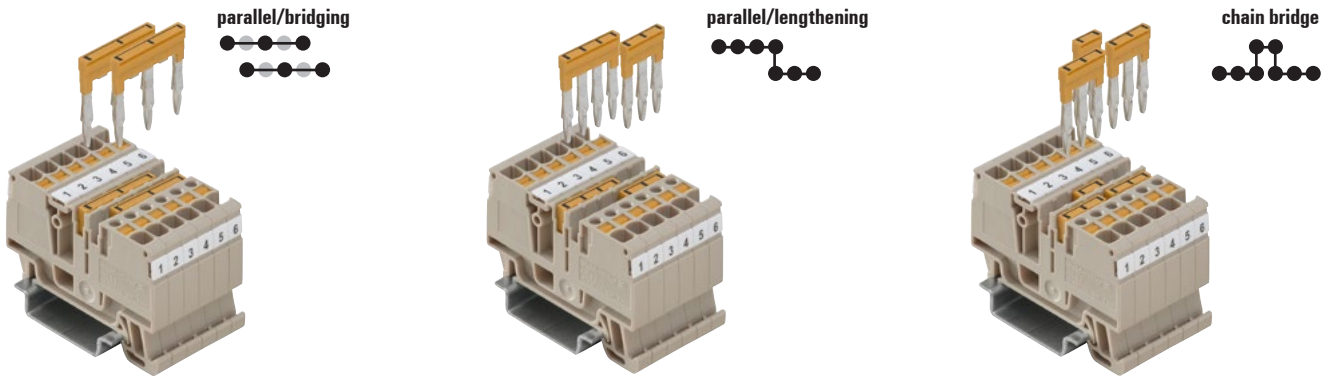
Output terminals		right											
		2.5 mm <sup>2</sup>					4 mm <sup>2</sup>					6 mm <sup>2</sup>	
Supply terminals		A2C	A3C	A4C	ADT 2C	AFS 2C CF	A2C	A3C	A4C	ADT 2C	AFS 2C	A2C	A3C
1.5 mm <sup>2</sup>	A2C												
	A3C	•											
	A4C	•											
2.5 mm <sup>2</sup>	A2C						•	•					
	A3C						•	•					
	A4C						•	•					
	ADT 2C												
	AFS 2C CF												
4 mm <sup>2</sup>	A2C											•	
	A3C											•	
	A4C											•	
	ADT 2C												
	AFS 2C												
Output terminals		left											
		2.5 mm <sup>2</sup>					4 mm <sup>2</sup>					6 mm <sup>2</sup>	
Supply terminals		A2C	A3C	A4C	ADT 2C	AFS 2C CF	A2C	A3C	A4C	ADT 2C	AFS 2C	A2C	A3C
1.5 mm <sup>2</sup>	A2C	•	•	•	•	•	•	•	•	•	•		
	A3C		•	•	•	•	•	•	•	•	•		
	A4C			•	•	•	•	•	•	•	•		
2.5 mm <sup>2</sup>	A2C						•	•	•	•	•	•	•
	A3C						•	•	•	•	•	•	•
	A4C							•	•	•	•	•	•
	ADT 2C									•	•		
	AFS 2C CF										•		
4 mm <sup>2</sup>	A2C											•	•
	A3C											•	•
	A4C												
	ADT 2C												
	AFS 2C												

Possible combinations

In one cross-connection channel



In two cross-connection channels



Possible cross-connections of terminals of the same type with corresponding cross-connections

Terminal type	Cross-section	Cross-connection	single	adjacent	bridging	chain bridge	parallel bridging	parallel lengthening
Standard terminals	mm <sup>2</sup>							
A ... C	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A2T	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A2T PE	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A3T	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A3T PE	1.5	ZQV 1.5N/...	•	•	•	•	•	•
APGTB	1.5	ZQV 1.5N/...	•	•	•	•	•	•
APGTB 2T	1.5	ZQV 1.5N/...	•	•	•	•	•	•
APGTB 2T PE	1.5	ZQV 1.5N/...	•	•	•	•	•	•
A ... C	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A2T	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A2T PE	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A3T	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A3T PE	2.5	ZQV 2.5N/...	•	•	•	•	•	•
ADT	2.5	ZQV 2.5N/...	•	•	•	•	•	•
AFS	2.5	ZQV 2.5N/...	•	•	•	•	•	•
APGTB	2.5	ZQV 2.5N/...	•	•	•	•	•	•
APGTB 2T	2.5	ZQV 2.5N/...	•	•	•	•	•	•
APGTB 2T PE	2.5	ZQV 2.5N/...	•	•	•	•	•	•
A ... C	4	ZQV 4N/...	•	•	•	•	•	•
A2T	4	ZQV 4N/...	•	•	•	•	•	•
A2T PE	4	ZQV 4N/...	•	•	•	•	•	•
ADT	4	ZQV 4N/...	•	•	•	•	•	•
AFS	4	ZQV 4N/...	•	•	•	•	•	•
APGTB	4	ZQV 4N/...	•	•	•	•	•	•
APGTB 2T	4	ZQV 4N/...	•	•	•	•	•	•
APGTB 2T PE	4	ZQV 4N/...	•	•	•	•	•	•
A ... C	6	ZQV 6N/...	•	•	•	•	•	•
A ... C	10	ZQV 10N/...	•	•	•	•	•	•
A ... C	16	ZQV 16N/...	•	•	•	•	•	•



Spring connection with PUSH IN technology (A-Series)  
Accessories - Electrical supply

Cross-connections according to dimensions

Universal range

**A**



**ZQV 1.5N**



Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
20-pin	
50-pin	
Note	

17.5			
Type	Qty.	Order No.	
ZQV 1.5N/2	60	1985410000	
ZQV 1.5N/3	60	1985480000	
ZQV 1.5N/4	60	1985490000	
ZQV 1.5N/5	20	1985500000	
ZQV 1.5N/6	20	1985510000	
ZQV 1.5N/7	20	1985520000	
ZQV 1.5N/8	20	1985540000	
ZQV 1.5N/9	20	1985560000	
ZQV 1.5N/10	20	1985580000	
ZQV 1.5N/20	20	1985600000	
ZQV 1.5N/50	5	1985620000	

**ZQV 2.5N**



24			
Type	Qty.	Order No.	
ZQV 2.5N/2	60	1527540000	
ZQV 2.5N/3	60	1527570000	
ZQV 2.5N/4	60	1527590000	
ZQV 2.5N/5	20	1527620000	
ZQV 2.5N/6	20	1527630000	
ZQV 2.5N/7	20	1527640000	
ZQV 2.5N/8	20	1527670000	
ZQV 2.5N/9	20	1527680000	
ZQV 2.5N/10	20	1527690000	
ZQV 2.5N/20	20	1527720000	
ZQV 2.5N/50	5	1527730000	

**ZQV 4N**



32			
Type	Qty.	Order No.	
ZQV 4N/2	60	1527930000	
ZQV 4N/3	60	1527940000	
ZQV 4N/4	60	1527970000	
ZQV 4N/5	60	1527980000	
ZQV 4N/6	20	1527990000	
ZQV 4N/7	20	1528020000	
ZQV 4N/8	20	1528030000	
ZQV 4N/9	20	1528070000	
ZQV 4N/10	20	1528090000	
ZQV 4N/50	5	1528130000	



Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
20-pin	
50-pin	
Note	

17.5			
Type	Qty.	Order No.	
ZQV 1.5N/2 BL	60	1985530000	
ZQV 1.5N/3 BL	60	1985550000	
ZQV 1.5N/4 BL	60	1985570000	
ZQV 1.5N/5 BL	20	1985590000	
ZQV 1.5N/6 BL	20	1985610000	
ZQV 1.5N/7 BL	20	1985630000	
ZQV 1.5N/8 BL	20	1985640000	
ZQV 1.5N/9 BL	20	1985660000	
ZQV 1.5N/10 BL	20	1985680000	
ZQV 1.5N/20 BL	20	1985700000	
ZQV 1.5N/50 BL	5	1985720000	



24			
Type	Qty.	Order No.	
ZQV 2.5N/2 BL	60	1527740000	
ZQV 2.5N/3 BL	60	1527770000	
ZQV 2.5N/4 BL	60	1527780000	
ZQV 2.5N/5 BL	20	1527790000	
ZQV 2.5N/6 BL	20	1527820000	
ZQV 2.5N/7 BL	20	1527830000	
ZQV 2.5N/8 BL	20	1527840000	
ZQV 2.5N/9 BL	20	1527870000	
ZQV 2.5N/10 BL	20	1527880000	
ZQV 2.5N/20 BL	20	1527890000	
ZQV 2.5N/50 BL	5	1527920000	



32			
Type	Qty.	Order No.	
ZQV 4N/2 BL	60	1528040000	
ZQV 4N/3 BL	60	1528080000	
ZQV 4N/4 BL	60	1528120000	
ZQV 4N/5 BL	60	1528140000	
ZQV 4N/6 BL	20	1528170000	
ZQV 4N/7 BL	20	1528180000	
ZQV 4N/8 BL	20	1528190000	
ZQV 4N/9 BL	20	1528220000	
ZQV 4N/10 BL	20	1528230000	
ZQV 4N/50 BL	5	1528240000	



Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
20-pin	
50-pin	
Note	

17.5			
Type	Qty.	Order No.	
ZQV 1.5N/2 RD	60	1985650000	
ZQV 1.5N/3 RD	60	1985670000	
ZQV 1.5N/4 RD	60	1985690000	
ZQV 1.5N/5 RD	20	1985710000	
ZQV 1.5N/6 RD	20	1985730000	
ZQV 1.5N/7 RD	20	1985750000	
ZQV 1.5N/8 RD	20	1985770000	
ZQV 1.5N/9 RD	20	1985790000	
ZQV 1.5N/10 RD	20	1985800000	
ZQV 1.5N/20 RD	20	1985810000	
ZQV 1.5N/50 RD	5	1985820000	



24			
Type	Qty.	Order No.	
ZQV 2.5N/2 RD	60	2108470000	
ZQV 2.5N/3 RD	60	2108690000	
ZQV 2.5N/4 RD	60	2108700000	
ZQV 2.5N/5 RD	20	2108710000	
ZQV 2.5N/6 RD	20	2108720000	
ZQV 2.5N/7 RD	20	2108810000	
ZQV 2.5N/8 RD	20	2108870000	
ZQV 2.5N/9 RD	20	2108900000	
ZQV 2.5N/10 RD	20	2108910000	
ZQV 2.5N/20 RD	20	2108920000	
ZQV 2.5N/50 RD	5	2109000000	



32			
Type	Qty.	Order No.	
ZQV 4N/2 RD	60	2460450000	
ZQV 4N/3 RD	60	2460810000	
ZQV 4N/4 RD	60	2460800000	
ZQV 4N/5 RD	60	2460790000	
ZQV 4N/6 RD	20	2460780000	
ZQV 4N/7 RD	20	2460770000	
ZQV 4N/8 RD	20	2460760000	
ZQV 4N/9 RD	20	2460750000	
ZQV 4N/10 RD	20	2460740000	

**ZQV 6N**



41		
Type	Qty.	Order No.
ZQV 6N/2	60	1985740000
ZQV 6N/3	60	1985760000
ZQV 6N/4	60	1985780000

**ZQV 10N/2**



57		
Type	Qty.	Order No.
ZQV 10N/2	25	2497250000

**ZQV 16N/2**



76		
Type	Qty.	Order No.
ZQV 16N/2	25	2497290000



41		
Type	Qty.	Order No.
ZQV 6N/2 BL	60	1985830000
ZQV 6N/3 BL	60	1985840000
ZQV 6N/4 BL	60	1985850000

Type	Qty.	Order No.

Type	Qty.	Order No.

Type	Qty.	Order No.

Type	Qty.	Order No.

Type	Qty.	Order No.

Universal range

A



**Test adapters for self-assembly:**

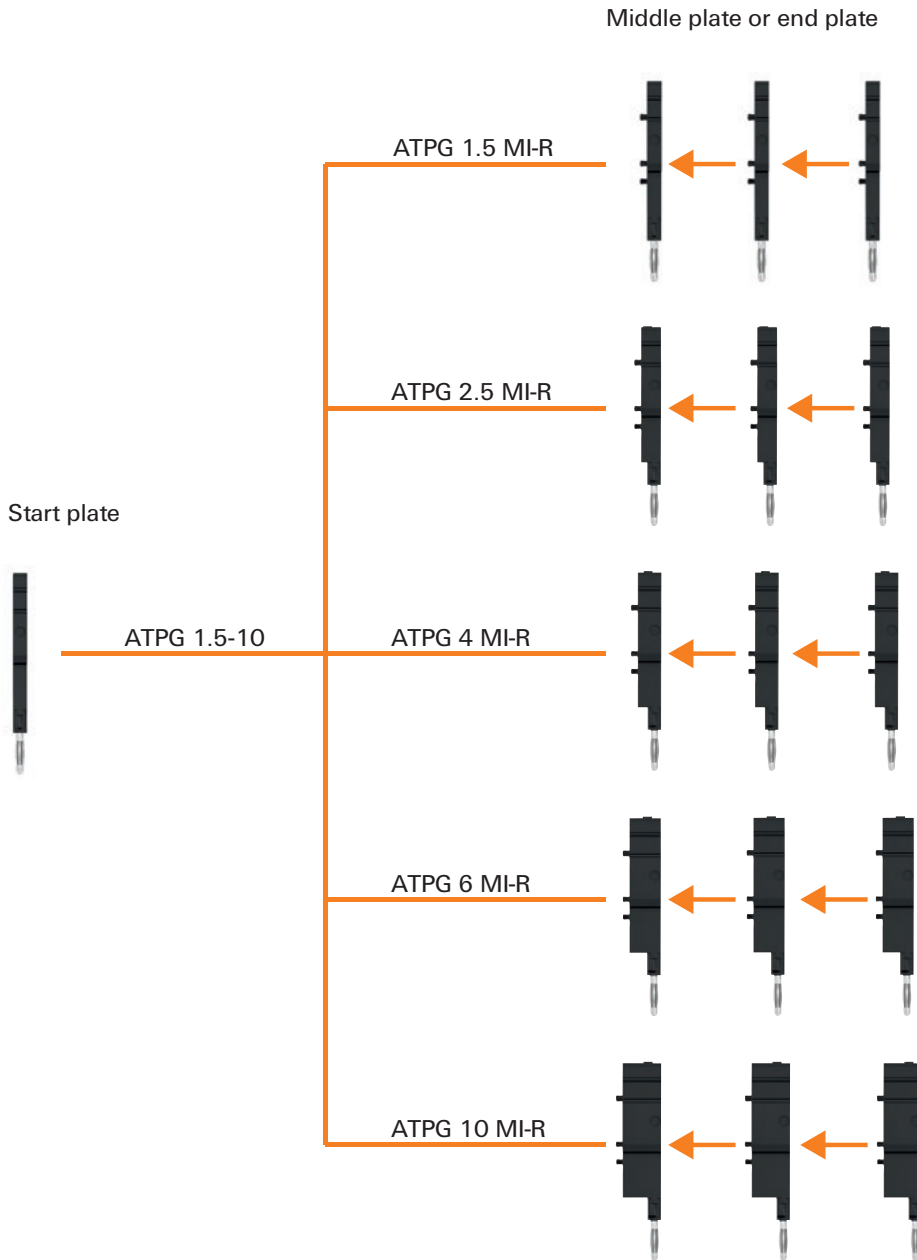
The test adapters offer a flexible solution for every task - they can be connected by threading them together in accordance with the application to be fulfilled.

**Note:**

The start plate can only be combined with one size of expansion plate.



**Structure of the test adapter system**



### Test adapter

The ATPG test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pin
	3-pin
	5-pin
Note	

### ATPG 1.5-10

Start plate



Width / Length / Height			3.5 / 18.5
Stripping length			-
Rated voltage			0.2
Rated current			1.5
for wire cross-section			0.5...1.5
Clamped conductors (H05V/H07V)			0.5...1.5 / 0.5...1
Type	Qty.	Order No.	
ATPG 1.5-10 L	50	1991890000	
The height is dependent on the terminal type			

### ATPG 1.5 MI-R

Middle plate or end plate



Width / Length / Height			3.5 / 18.5
Stripping length			-
Rated voltage			0.2
Rated current			1.5
for wire cross-section			0.5...1.5
Clamped conductors (H05V/H07V)			0.5...1.5 / 0.5...1
Type	Qty.	Order No.	
ATPG 1.5 MI-R	50	1991880000	
The height is dependent on the terminal type			

### ATPG 2.5 MI-R

Middle plate or end plate



Width / Length / Height			5.1 / 18.5
Stripping length			-
Rated voltage			0.2
Rated current			1.5
for wire cross-section			0.5...1.5
Clamped conductors (H05V/H07V)			0.5...1.5 / 0.5...1
Type	Qty.	Order No.	
ATPG 2.5 MI-R	50	1991960000	
ATPG 2.5/3	25	2041190000	
ATPG 2.5/5	25	2041180000	
The height is dependent on the terminal type			

### Test adapter

The ATPG test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pin
	3-pin
	5-pin
Note	

### ATPG 4 MI-R-10

Middle plate or end plate



Width / Length / Height			6.1 / 18.5
Stripping length			-
Rated voltage			0.2
Rated current			1.5
for wire cross-section			0.5...1.5
Clamped conductors (H05V/H07V)			0.5...1.5 / 0.5...1
Type	Qty.	Order No.	
ATPG 4 MI-R	50	1991860000	
The height is dependent on the terminal type			

### ATPG 6 MI-R

Middle plate or end plate



Width / Length / Height			7.9 / 18.5
Stripping length			-
Rated voltage			0.2
Rated current			1.5
for wire cross-section			0.5...1.5
Clamped conductors (H05V/H07V)			0.5...1.5 / 0.5...1
Type	Qty.	Order No.	
ATPG 6 MI-R	50	1991930000	
The height is dependent on the terminal type			

### ATPG 10 MI-R

Middle plate or end plate



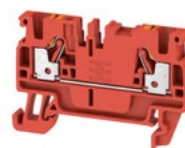
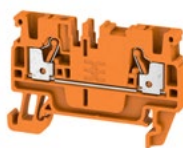
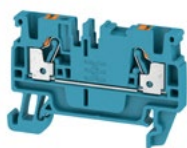
Width / Length / Height			9.9 / 18.5
Stripping length			-
Rated voltage			0.2
Rated current			1.5
for wire cross-section			0.5...1.5
Clamped conductors (H05V/H07V)			0.5...1.5 / 0.5...1
Type	Qty.	Order No.	
ATPG 10 MI-R	50	1991870000	
The height is dependent on the terminal type			

# Spring connection with PUSH IN technology (A-Series)

## Overview

Universal range

A



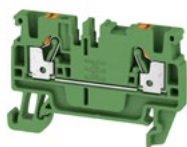
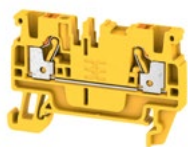
Type
1.5 mm <sup>2</sup> A2C
1.5 mm <sup>2</sup> A3C
1.5 mm <sup>2</sup> A4C
2.5 mm <sup>2</sup> A2C
2.5 mm <sup>2</sup> A3C
2.5 mm <sup>2</sup> A4C
4 mm <sup>2</sup> A2C
4 mm <sup>2</sup> A3C
4 mm <sup>2</sup> A4C
6 mm <sup>2</sup> A2C
6 mm <sup>2</sup> A3C

Order No. beige
1552790000
1552740000
1552690000
1521850000
1521740000
1521690000
2051180000
2051240000
2051500000
1992110000
1991820000

Order No. blue BL
1552820000
1552770000
1552700000
1521880000
1521780000
1521700000
2051210000
2051280000
2051520000
1991790000
1991830000

Order No. orange OR
1552830000
1552780000
1552720000
1521930000
1521830000
1521720000
2051230000
2051320000
2051540000
1991800000
1991840000

Order No. red RD
2508020000
2534500000
2534430000
1521900000
1521800000
1521710000
2051220000
2051300000
2051530000
-
-



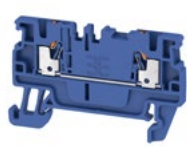
Type
1.5 mm <sup>2</sup> A2C
1.5 mm <sup>2</sup> A3C
1.5 mm <sup>2</sup> A4C
2.5 mm <sup>2</sup> A2C
2.5 mm <sup>2</sup> A3C
2.5 mm <sup>2</sup> A4C
4 mm <sup>2</sup> A2C
4 mm <sup>2</sup> A3C
4 mm <sup>2</sup> A4C
6 mm <sup>2</sup> A2C
6 mm <sup>2</sup> A3C

Order No. yellow YL
2508190000
2534520000
2534450000
1521940000
1521840000
1521730000
2051250000
2051340000
2051550000
-
-

Order No. green GN
2508210000
2534480000
2534410000
1521950000
1521870000
1521770000
2051260000
2051350000
2051580000
-
-

Order No. white WT
2508160000
2534510000
2534440000
1521970000
1521890000
1521790000
2051290000
2051370000
2051610000
-
-

Order No. black BK
2508170000
2534230000
2534260000
1521980000
1521920000
1521820000
2051310000
2051400000
2051660000
-
-



Type
1.5 mm <sup>2</sup> A2C
1.5 mm <sup>2</sup> A3C
1.5 mm <sup>2</sup> A4C
2.5 mm <sup>2</sup> A2C
2.5 mm <sup>2</sup> A3C
2.5 mm <sup>2</sup> A4C
4 mm <sup>2</sup> A2C
4 mm <sup>2</sup> A3C
4 mm <sup>2</sup> A4C
6 mm <sup>2</sup> A2C
6 mm <sup>2</sup> A3C

Order No. light grey LTGY
2508220000
2534490000
2534420000
2003110000
2003120000
2003130000
2051330000
2051460000
2051670000
-
-

Order No. dark blue DBL
2508180000
2534540000
2534470000
2508000000
2534690000
2534740000
2534370000
2534290000
2534390000
-
-

Order No. brown BR
2508200000
2534530000
2534460000
2508030000
2534750000
2534730000
2534380000
2534360000
2534400000
-
-







## Terminal blocks with PUSH IN connection technology

### Wiring is quick and safe

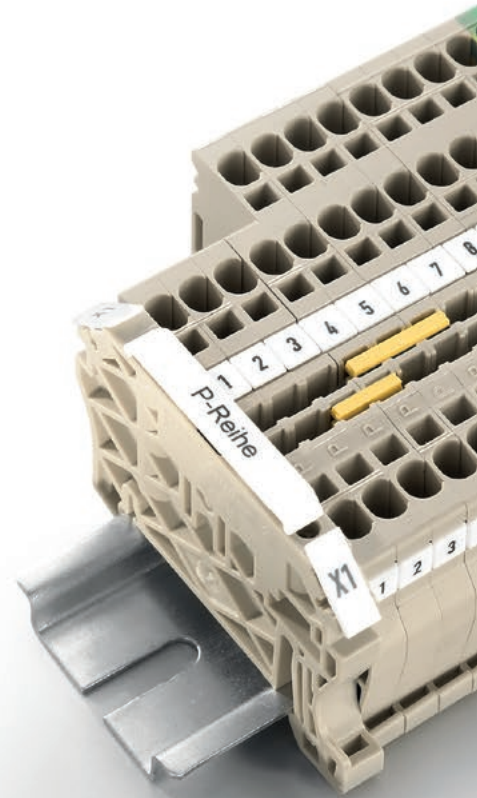
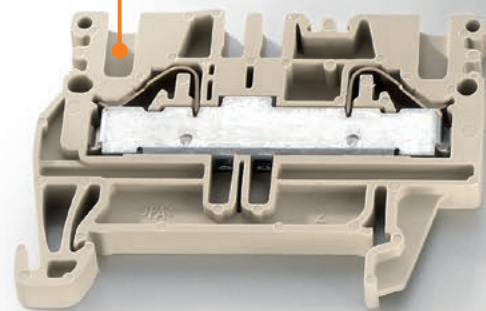
Increase your efficiency. The PUSH IN connection method and the associated reduction in the number of versions will help you.

Among the impressive features of the direct PUSH IN connection system are minimal wiring times and reliable, simple handling. Compared to the 3-conductor tension clamps, the direct PUSH IN system achieves time savings of up to 50 percent when connecting the conductor (3.5 seconds per conductor). The stripped solid conductor is simply pushed into the terminal as far as it will go – that's all there is to it. No tools are required, and the result is a reliable, vibration-resistant, gas-tight connection. Even flexible conductors with crimped wire end ferrules or ultrasonicwelded conductors can be connected without any problems.



#### Quick and safe

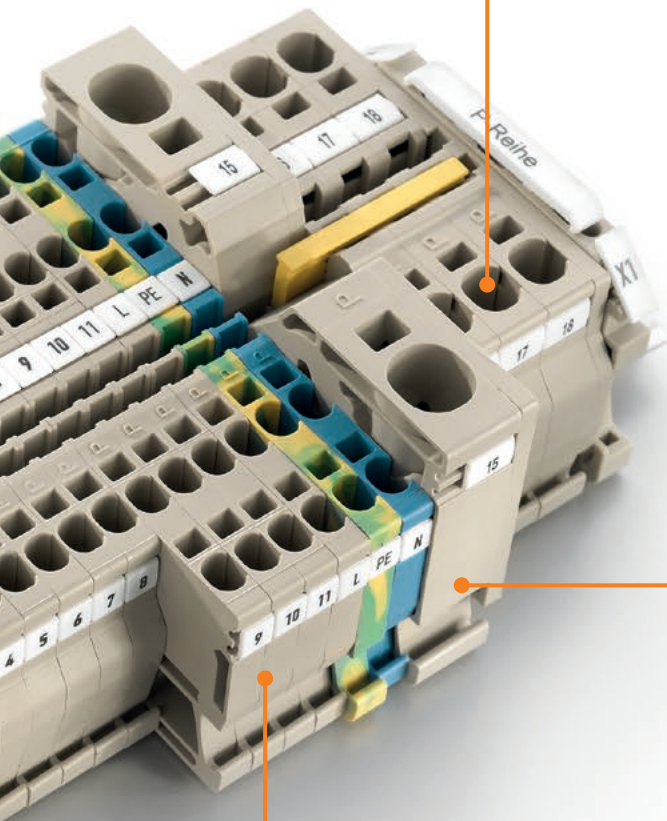
Wiring time is significantly reduced with the direct insertion technique for solid-core and flexible stranded wires with ferrules thanks to the PUSH IN connection method – considerably quicker to connect and no need for additional tools.





#### Simple operation

The PUSH IN contact's spring movement is limited by the spring stop mechanism, improper use is prevented by the design of the terminals.



#### Contact security

The long-term contact force between wire and busbar is ensured with a stainless steel spring. The busbar is made of copper with a tin alloy, this ensures a very low voltage drop.

#### Wemid insulating material

- Non-tracking CTI 600
- Thermally stable up to 120 °C
- V0 flammability rating to UL94
- Halogen and phosphor free, flame-retardant

## Spring connection with PUSH IN technology (P-Series)

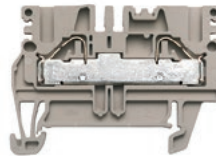
### Feed-through terminal blocks



#### PDU 2.5/4

4 mm<sup>2</sup>

Two connections



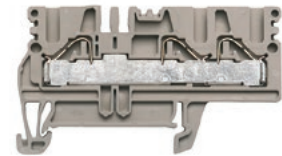
5.1 x 52 x 38  
/ 6  
0.13...6



#### PDU 2.5/4 3AN

4 mm<sup>2</sup>

Three connections



5.1 x 67.5 x 38  
/ 6  
0.13...6



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	Gauge to IEC 60947-1 / UL 94 flammability rating
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

#### Ordering data

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	3-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	Standard
	With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

IEC 60947-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	29
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE KEMA06ATEX0177U

<b>Rated connection</b>
0.5...6
0.5...4 / 0.5...4
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDU 2.5/4	100	1896110000
PDU 2.5/4 BL	100	1896230000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP 2.5/4		50	1896300000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

IEC 60947-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	29
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE KEMA06ATEX0177U

<b>Rated connection</b>
0.5...6
0.5...4 / 0.5...4
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDU 2.5/4/3AN	100	1896120000
PDU 2.5/4/3AN BL	100	1896240000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP 2.5/4/3AN		50	1896480000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

**PDU 2.5/4 4AN**

**4 mm<sup>2</sup>**

Four connections



5.1 x 78.5 x 38  
/ 6  
0.13...6



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	30	30	29
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE KEMA06ATEX0177U

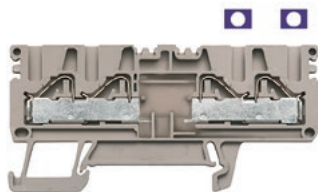
**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
12 / 3.0 x 0.5 mm

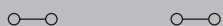
**PDU 2.5/4 2x2**

**4 mm<sup>2</sup>**

2 x 2 connections



5.1 x 78 x 38  
/ 6  
0.13...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
32			
4			
8 kV / 3			
A3 / V-0			

CE

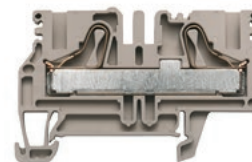
**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
12 / 3.0 x 0.5 mm

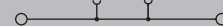
**PDU 6/10**

**10 mm<sup>2</sup>**

Two connections



8.1 x 64.5 x 40.5  
57 / 10  
1.5...10



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
57	44	46	36.5
10	AWG 14...8	AWG 14...10	6 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

CE KEMA06ATEX0177U

**Rated connection**

1.5...10 / 10...10  
1.5...10 / 1.5...10  
14 / 0.6 x 3.5 mm

Type	Qty.	Order No.
PDU 2.5/4/4AN	100	1896130000
PDU 2.5/4/4AN BL	100	1896250000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	Qty.	Order No.
PDU 2.5/4/2X2AN	50	1022220000
PDU 2.5/4/2X2AN BL	50	1043220000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	Qty.	Order No.
PDU 6/10	50	1896140000
PDU 6/10 BL	25	1896270000

For 10 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP 2.5/4/4AN		50	1896320000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
PAP 2.5/4/4AN		50	1896320000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 6N/2		60	1906210000
ZQV 6N/3		60	1906220000
ZQV 6N/4		60	1906230000
PAP PDU6/10		20	1896330000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PAD 6/10/4		80	1916160000
WS 10/8 PLUS MC NE WS		420	1905950000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.



# Spring connection with PUSH IN technology (P-Series)

## Feed-through terminal blocks

Universal range

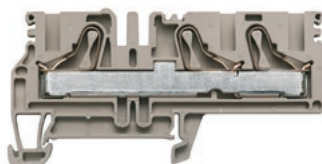
A



### PDU 6/10 3AN

10 mm<sup>2</sup>

Three connections



8.1 x 82.5 x 40.5

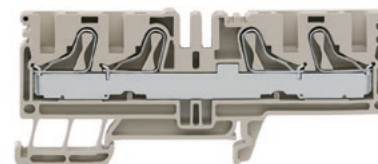
57 / 10

1.5...10



### PDU 6/10 4AN

10 mm<sup>2</sup>



8.1 x 97 x 40.5

57 / 10

1.5...10



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	
	dark beige
	blue
Note	

#### Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	Standard
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
57	44	46	36.5
10	AWG 14...8	AWG 14...10	6 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			
CE     KEMA06ATEX0177U			
Rated connection			
1.5...6 / 10...10			
1.5...10 / 1.5...10			
14 / 0.6 x 3.5 mm			
Note			

Type	Qty.	Order No.
PDU 6/10/3AN	50	1896150000
PDU 6/10/3AN BL	50	1896280000
For 10 mm <sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).		

Type	current	Qty.	Order No.
ZQV 6N/2		60	1906210000
ZQV 6N/3		60	1906220000
ZQV 6N/4		60	1906230000
End plate / Partition plate			
PAP PDU6/10/3AN		20	1896340000
End bracket			
ZEW 35		20	9540000000
Test adapter			
Standard			
With spigot			
Screwdriver			
Standard			
SDS 0.5X3.0X80			
		1	9008320000
Reducing sleeves			
For conductors < 0.5 mm <sup>2</sup> / AWG 20			
For conductors < 1.0 mm <sup>2</sup> / AWG 18			
Cover			
With lightning flash symbol			
PAD 6/10/4		80	1916160000
Identification systems			
WS 10/8 PLUS MC NE WS			
		420	1905950000
DEK 5/8 MM WS			
		500	2007130000
WS 8/8 MM WS			
		500	2007170000

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
57	47		
10	AWG 14...8		
8 kV / 3			
A4 / V-0			
CE			
Rated connection			
1.5...6 / 10...10			
1.5...10 / 1.5...10			
14 / 0.6 x 3.5 mm			
Note			

Type	Qty.	Order No.
PDU 6/10/4AN	50	1083040000
PDU 6/10/4AN BL	25	1165130000

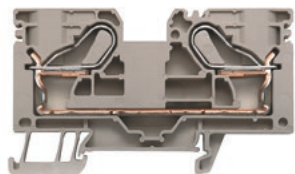
Type	current	Qty.	Order No.
ZQV 6N/2		60	1906210000
ZQV 6N/3		60	1906220000
ZQV 6N/4		60	1906230000
End plate / Partition plate			
PAP PDU6/10/4AN		20	1165070000
End bracket			
ZEW 35		20	9540000000
Test adapter			
Standard			
With spigot			
Screwdriver			
Standard			
SDS 0.5X3.0X80			
		1	9008320000
Reducing sleeves			
For conductors < 0.5 mm <sup>2</sup> / AWG 20			
For conductors < 1.0 mm <sup>2</sup> / AWG 18			
Cover			
With lightning flash symbol			
PAD 6/10/4		80	1916160000
Identification systems			
WS 10/8 PLUS MC NE WS			
		420	1905950000
DEK 5/8 MM WS			
		500	2007130000
WS 8/8 MM WS			
		500	2007170000

For detailed information on other accessories and application in the online catalogue

**PDU 16**

16 mm<sup>2</sup>

Two connections



12.1 x 80.5 x 47.5  
/ 16  
2.5...16



Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	75	78	59
16	AWG 14...4	AWG 14...4	16 mm <sup>2</sup>

8 kV / 3  
B6 / V-0

CE KEMA06ATEX0177U

Rated connection
2.5...16
2.5...16 / 2.5...16
18 / 1.0 x 5.5 mm

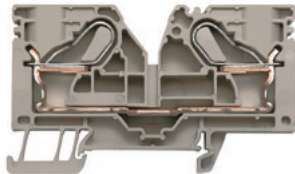
Type	Qty.	Order No.
PDU 16	25	1896400000
PDU 16 BL	10	1896220000

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
PAP 16		10	1896290000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
PAD 16/4		80	1916170000
WS 12/8 PLUS MC NE WS		420	1906000000

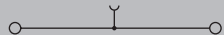
**PEI 16**

16 mm<sup>2</sup>

Supply terminal



15 x 80.5 x 47.5  
/ 16  
2.5...16



Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	75	78	66.5
16	AWG 14...4	AWG 14...4	16 mm <sup>2</sup>

8 kV / 3  
B6 / V-0

CE KEMA06ATEX0177U

Rated connection
2.5...16
2.5...16 / 2.5...16
18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
PEI 16	25	1918780000
PEI 16 BL	25	1918790000

Terminal contains end plate.  
No separate end plate is necessary.

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 6N/3		60	1906220000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
PAD 16/4		80	1916170000
WS 12/8 PLUS MC NE WS		420	1906000000



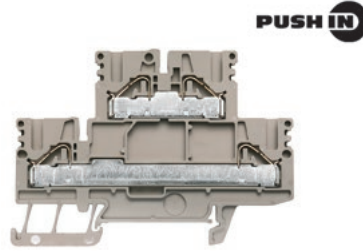
**Spring connection with PUSH IN technology (P-Series)**  
**Feed-through terminal blocks**



**PKD 2.5/4**

**4 mm<sup>2</sup>**

Double-level terminal



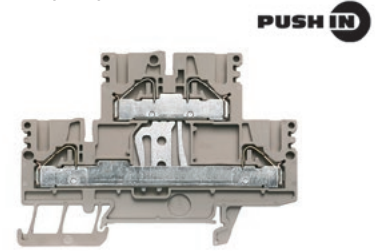
5.1 x 82.5 x 58  
**32 / 6**  
**0.13...6**



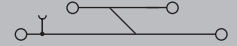
**PKD 2.5/4 V**

**4 mm<sup>2</sup>**

Vertical cross-connected double-level terminal. Cross-connector for the bottom layer only.



5.1 x 82.5 x 58  
**32 / 6**  
**0.13...6**



Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	Gauge to IEC 60947-1 / UL 94 flammability rating
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige
	blue
	green/yellow
Note	

**Accessories**

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	Standard
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

IEC 60947-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE KEMA06ATEX0177U

Rated connection	
	0.5...6
	0.5...4 / 0.5...4
	12 / 3.0 x 0.5 mm
Note	
	For 2.5 mm <sup>2</sup> 24 A

Type	Qty.	Order No.
PDK 2.5/4	50	1918770000
PDK 2.5/4 BL	50	1918760000
Note		
For 4 mm <sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

IEC 60947-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	29
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

CE KEMA06ATEX0177U

Rated connection	
	0.5...6
	0.5...4 / 0.5...4
	12 / 3.0 x 0.5 mm
Note	
	For 4 mm <sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	Qty.	Order No.
PDK 2.5/4V	50	1918730000
PDK 2.5/4V BL	50	1918680000
Note		
For 4 mm <sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

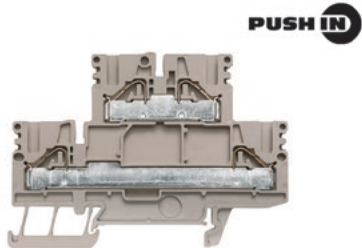
Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.



PKD 2.5/4 N-L

4 mm<sup>2</sup>



5.1 x 82.5 x 58  
32 / 6  
0.13...6



IEC 60947-7-1

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3

A3 / V-0



KEMA06ATEX0177U

Rated connection

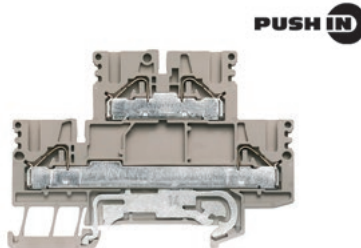
0.5...6

0.5...4 / 0.5...4

12 / 3.0 x 0.5 mm

PKD 2.5/4 L-PE

4 mm<sup>2</sup>



5.1 x 82.5 x 58  
32 / 6  
0.13...6



IEC 60947-7-2

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3

A3 / V-0



KEMA06ATEX0177U

Rated connection

0.5...6

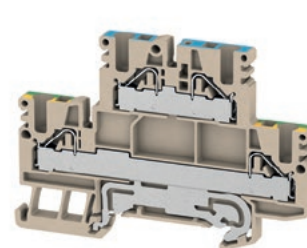
0.5...4 / 0.5...4

12 / 3.0 x 0.5 mm

For 2.5 mm<sup>2</sup> 24 A. Cross-connector for top layer only

PKD 2.5/4 N-PE

4 mm<sup>2</sup>



5.1 x 82.5 x 58  
32 / 6  
0.13...6



IEC 60947-7-2

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	30	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3

A3 / V-0



KEMA06ATEX0177U

Rated connection

0.5...6

0.5...4 / 0.5...4

12 / 3.0 x 0.5 mm

4 mm<sup>2</sup> conductor should be processed after crimping (according to Euro-Norm EN 60947-1), for example with PZ6/5, order no. 9011460000.

Type	Qty.	Order No.
PKD 2.5/4N-L	50	1918740000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	Qty.	Order No.
PKD 2.5/4L-PE	50	1918720000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	Qty.	Order No.
PKD 2.5/4N-PE	50	1918750000

For use with 4 mm<sup>2</sup> conductors, with wire-end ferrules and cross-section-optimized plastic collars (order no. 9203630000)

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	16088940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	16088940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	16088940000
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
PTA PDU2.5/4		25	1916180000
PTA ZA PDU2.5/4		25	1916190000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
SNAPMARK I		50	1805880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.



Spring connection with PUSH IN technology (P-Series)  
Feed-through terminal blocks

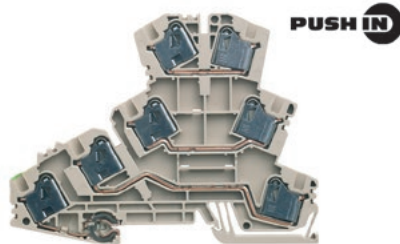
Universal range

A



**PMAK 4**

4 mm<sup>2</sup>



**PMAK 4 800 V**

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 103.86 x 78.3	
<b>30 / 6</b>	
<b>0.5...6</b>	

6.1 x 107.5 x 82	
<b>32 / 6</b>	
<b>0.5...6</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1 (-7-2)			
IEC	UL	CSA	EN 60079-7
400	300		
30	29		
4	AWG 26...10		
	6 kV / 3		
	A3 / V-0		
<b>CE, VDE, IEC</b>			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
12 / 0.4 x 2.5 mm			
<b>Note</b>			

IEC 60947-7-1 (-7-2)			
IEC	UL	CSA	EN 60079-7
800	600		
32	29		
4	AWG 26...10		
	8 kV / 3		
	A3 / V-0		
<b>CE, VDE, IEC</b>			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
12 / 0.4 x 2.5 mm			
<b>Note</b>			

**Ordering data**

Version	
	dark beige
<b>Note</b>	

Type	Qty.	Order No.
PMAK 4	50	1221340000
<b>Note</b>		

Type	Qty.	Order No.
PMAK 4 800V	50	1221350000
<b>Note</b>		

**Accessories**

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PMAK 4		20	1221360000
ZEW 35/2		20	8630740000
SDS 0.4X2.5X75		1	9009030000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZEW 35/2		20	8630740000
SDS 0.4X2.5X75		1	9009030000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue



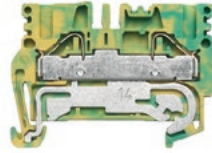
Spring connection with PUSH IN technology (P-Series)  
PE terminal blocks



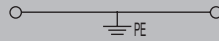
PPE 2.5/4

4 mm<sup>2</sup>

Two connections



5.1 x 53 x 38  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

Rated connection

0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	green/yellow

Note

Accessories

End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	With lightning flash symbol
Identification systems	

For detailed information on other accessories and application in the online catalogue

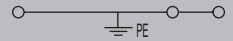
PPE 2.5/4 3AN

4 mm<sup>2</sup>

Three connections



5.1 x 67 x 38  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

Rated connection

0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PPE 2.5/4/3AN	50	1896200000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	Qty.	Order No.
PPE 2.5/4	50	1896170000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
PAP 2.5/4		50	1896300000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
PAP 2.5/4/3AN		50	1896480000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

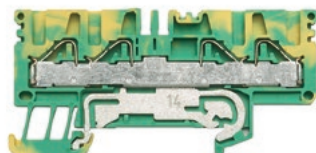
Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

**PPE 2.5/4 4AN**

**4 mm<sup>2</sup>**

Four connections



5.1 x 80 x 38  
/ 6  
**0.13...6**

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

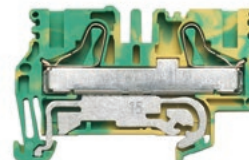
CE

Rated connection
0.5...6
0.5...4 / 0.5...4
0.5...1.5
12 / 3.0 x 0.5 mm

**PPE 6/10**

**6 mm<sup>2</sup>**

Two connections



8.1 x 63.5 x 40.5  
/ 10  
**1.5...10**

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 14...8	AWG 14...8	6 mm <sup>2</sup>
800			
8			
1200 A (10 mm <sup>2</sup> )			
3			
A4 / V-0			

CE

Rated connection
1.5...6
1.5...10 / 1.5...10
14 / 0.6 x 3.5 mm

Width/Height/Depth mm  
max. current / max. cond. cross-section -/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

**Clamped conductors (H05V/H07V)**

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	green/yellow

**Note**

**Accessories**

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

Type	Qty.	Order No.
PPE 2.5/4/4AN	50	<b>1896160000</b>

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
PAP 2.5/4/4AN		50	<b>1896320000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
PRH 2.5/4/1		100	<b>1916410000</b>
PRH 2.5/4/2		100	<b>1916400000</b>
PAD 2.5/4/4		80	<b>1916150000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Type	Qty.	Order No.
PPE 6/10	25	<b>1896180000</b>

For 10 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).

Type	current	Qty.	Order No.
PAP PDU6/10		20	<b>1896330000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
PAD 6/10/4		80	<b>1916160000</b>
WS 10/8 PLUS MC NE WS		420	<b>1905950000</b>
DEK 5/8 MM WS		500	<b>2007130000</b>
WS 8/8 MM WS		500	<b>2007170000</b>

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.



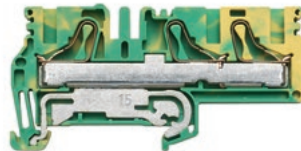
## Spring connection with PUSH IN technology (P-Series) PE terminal blocks



**PPE 6/10 3AN**

**6 mm<sup>2</sup>**

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 81.5 x 40.5
/ 10
1.5...10



### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 14...8	AWG 14...8	6 mm <sup>2</sup>
800			
8			
1200 A (10 mm <sup>2</sup> )			
3			
A4 / V-0			

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

CE

Rated connection	
1.5...6	
1.5...10 / 1.5...10	
14 / 0.6 x 3.5 mm	

**Note**

### Ordering data

Version	green/yellow
Note	

Type	Qty.	Order No.
PPE 6/10/3AN	25	<b>1896190000</b>

For 10 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203620000).

### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

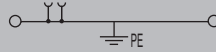
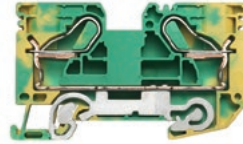
Type	current	Qty.	Order No.
PAP PDU6/10/3AN		20	<b>1896340000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
PAD 6/10/4		80	<b>1916160000</b>
WS 10/8 PLUS MC NE WS		420	<b>1905950000</b>
DEK 5/8 MM WS		500	<b>2007130000</b>
WS 8/8 MM WS		500	<b>2007170000</b>

For detailed information on other accessories and application in the online catalogue

PPE 16

16 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.1 x 81 x 47.5
/ 16
2.5...16

**Technical data**

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 14...4	16 mm <sup>2</sup>
800			
8			
1920 A (16 mm <sup>2</sup> )			
3			
B6 / V-0			

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

CE

<b>Rated connection</b>	
2.5...16	
2.5...16 / 2.5...16	
18 / 1.0 x 5.5 mm	

**Note**

**Ordering data**

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
PPE 16	10	1896210000

**Accessories**

<b>Pluggable cross-connection</b>	2-pole
<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
PAP 16		10	1896290000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
PAD 16/4		80	1916170000
WS 10/12 MC NE WS		300	1905970000

For detailed information on other accessories and application in the online catalogue



## Spring connection with PUSH IN technology (P-Series) PE terminal blocks

PDK 2.5/4 PE

4 mm<sup>2</sup>

Universal range

A



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 82.5 x 58	
/ 6	
0.13...6	

### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	-/-

CE

<b>Rated connection</b>	
0.5...6	
0.5...4 / 0.5...4	
0.5...1.5	

**Note**

### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
PDK 2.5/4 PE	50	1918710000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

Type	current	Qty.	Order No.
PAP PDK 2.5/4		20	1919720000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PRH 2.5/4/1		100	1916410000
PRH 2.5/4/2		100	1916400000
PAD 2.5/4/4		80	1916150000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.





## Spring connection with PUSH IN technology (P-Series)

### Fuse terminal blocks

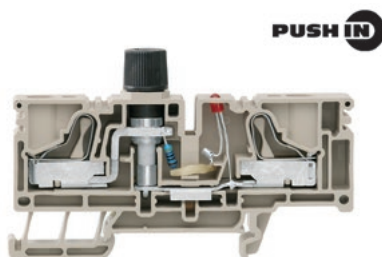


PSI 6/10

6 mm<sup>2</sup>

PSI 6/10

Overload and short-circuit protection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.2 x 81 x 39.6
<b>10 / 10</b>
<b>1.5...10</b>



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
250			
6.3			
6			
		8 kV / 3	
		V-0	
CE			
Rated connection			
1.5...6			
1.5...10 / 1.5...10			
0.6 x 3.5 mm			
Note			

#### Ordering data

Version	
	dark beige
	dark beige
	black
	black
Note	

Type	Qty.	Order No.
PSI 6/10	25	1083050000
PSI 6/10/LD 10-36V	25	1231880000
PSI 6/10/LD 10-36V SW	25	1231870000
PSI 6/10 SW	25	1165140000
Short-circuit protection aligned individually: 10 A and 4 W.		

#### Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
	black
End bracket	
	dark beige
Screwdriver	
	Standard
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
Identification systems	

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
End plate / Partition plate			
PAP PTL/PSI 6/10		20	1165320000
PAP PTL/PSI 6/10 SW		20	1165330000
End bracket			
ZEW 35		20	9540000000
Screwdriver			
SDS 0.5X3.0X80		1	9008320000
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)			
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
Identification systems			
WS 10/8 PLUS MC NE WS		420	1905950000

Type	Order No.			
PSI 6/10	1083050000			
Applications				
Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	35 °C	2.5 W / 6.3 A		
In combination	26 °C	2.5 W / 6.3 A		

For detailed information on other accessories and application in the online catalogue

Every second cross-connection pin must be broken out.

Cartridge fuses and gauge rings for Weidmüller-fuse terminal blocks

Fuse cartridges

for terminal type:

PSI 6/10  
WSI 4  
WSI 6  
AFS 4 2C BK  
PSI 6/10 SW  
ZSI 2.5  
ZSI 2.5-2/2X2AN/G20  
ZSI 6-2 2X2.5/G20  
KDKS 1/35 DB



Ordering data

G-type fuse cartridges 5 x 20 without indicator in accordance with IEC 60127-2 (VDE 0820 T.2 B1)<sup>1)</sup>

Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
	0.1	quick-acting	G 20/0.10A/F	10	0430300000	
	0.2	quick-acting	G 20/0.20A/F	10	0430400000	
Cartridge fuse	G-SI, 5 x 20	0.25	quick-acting	G 20/0.25A/F	10	0430500000
Rated breaking capacity	1.5 kA	0.5	quick-acting	G 20/0.50A/F	10	0430600000
	0.63	quick-acting	G 20/0.63A/F	10	0439000000	
	1	quick-acting	G 20/1.00A/F	10	0430700000	
	1.6	quick-acting	G 20/1.60A/F	10	0430800000	
	2	quick-acting	G 20/2.00A/F	10	0430900000	
	2.5	quick-acting	G 20/2.50A/F	10	0431000000	
	3.15	quick-acting	G 20/3.15A/F	10	0431100000	
	4	quick-acting	G 20/4.00A/F	10	0431200000	
	5	quick-acting	G 20/5.00A/F	10	0431300000	
	6.3	quick-acting	G 20/6.30A/F	10	0431400000	

(M) = medium time-lag; (F) = quick-acting



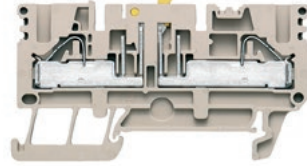
**Spring connection with PUSH IN technology (P-Series)**  
**Test-disconnect terminal blocks**



**PTR 2.5/4**

4 mm<sup>2</sup>

With isolator



5.1 x 71 x 39  
**23 / 6**  
**0.13...6**



Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	dark beige	blue	without isolator, dark beige
Note			

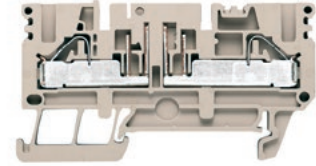
**Accessories**

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	removable, as replacement for release lever
Identification systems	

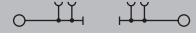
For detailed information on other accessories and application in the online catalogue

**PTR 2.5/4 0 TNHE**

4 mm<sup>2</sup>



5.1 x 71 x 39  
**23 / 6**  
**0.13...6**



IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
500	600	600	
23	24	24	
4	AWG 26...10	AWG 26...10	
6 kV / 3			
A3 / V-0			
CE ENEC			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
0.5...1.5			
12 / 0.6 x 3.5 mm			
For 2.5mm <sup>2</sup> 22 A			

Type	Qty.	Order No.
PTR 2.5/4	50	1933950000
PTR 2.5/4 BL	50	1933970000
For 4 mm <sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).		

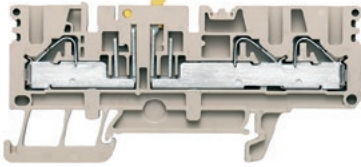
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PTR2.5/4		20	1934680000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

**PTR 2.5/4 3AN**

**4 mm<sup>2</sup>**

With isolator



5.1 x 85 x 39  
**24 / 6**  
**0.13...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
24	24	24	
4	AWG 26...10	AWG 26...10	
6 kV / 3			
A3 / V-0			



**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 0.6 x 3.5 mm

For 2.5mm<sup>2</sup> 22 A

Type	Qty.	Order No.
PTR 2.5/4/3AN	50	<b>1933980000</b>
PTR 2.5/4/3AN BL	50	<b>1933930000</b>

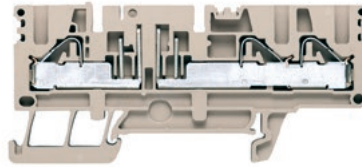
For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PTR2.5/4/3AN		20	<b>1934690000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
PS 2.3 RT		20	<b>0180400000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

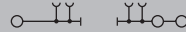
Detailed information for working with twin ferrules can be found in the P Series Accessories section.

**PTR 2.5/4 3AN 0 TNHE**

**4 mm<sup>2</sup>**



5.1 x 85 x 39  
**24 / 6**  
**0.13...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
24			
4			
6 kV / 3			
A3 / V-0			



**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 0.6 x 3.5 mm

For 2.5mm<sup>2</sup> 22 A

Type	Qty.	Order No.
PTR 2.5/4/3AN 0.TNHE	50	<b>1933990000</b>

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

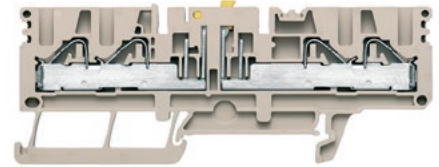
Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PTR2.5/4/3AN		20	<b>1934690000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
PS 2.3 RT		20	<b>0180400000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

**PTR 2.5/4 4AN**

**4 mm<sup>2</sup>**

With isolator



5.1 x 99 x 39  
**24 / 6**  
**0.13...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
24	24	24	
4	AWG 26...10	AWG 26...10	
6 kV / 3			
A3 / V-0			



**Rated connection**

0.5...6  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 0.6 x 3.5 mm

For 2.5mm<sup>2</sup> 22 A

Type	Qty.	Order No.
PTR 2.5/4/4AN	50	<b>1933940000</b>
PTR 2.5/4/4AN BL	50	<b>1934000000</b>

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PTR2.5/4/4AN		20	<b>1934700000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
PS 2.3 RT		20	<b>0180400000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

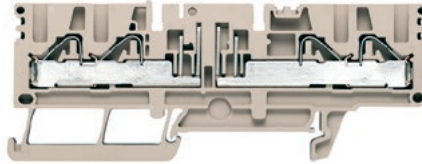


## Spring connection with PUSH IN technology (P-Series)

### Test-disconnect terminal blocks

PTR 2.5/4 4AN 0 TNHE

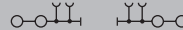
4 mm<sup>2</sup>



5.1 x 99 x 39

24 / 6

0.13...6



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

#### Note

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
24			
4			
		6 kV / 3	
		A3 / V-0	

CE EMC

Rated connection	
0.5...6	
0.5...4 / 0.5...4	
0.5...1.5	
12 / 0.6 x 3.5 mm	

For 2.5mm<sup>2</sup> 22 A

#### Ordering data

Version
dark beige
blue
without isolator, dark beige

#### Note

Type	Qty.	Order No.
PTR 2.5/4/4AN 0.TNHE	50	1933890000

For 4 mm<sup>2</sup> conductors, use wire-end ferrules with plastic collars optimised for diameter (No. 9203630000).

#### Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	removable, as replacement for release lever
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PTR2.5/4/4AN		20	1934700000
ZEW 35		20	9540000000
SDS 0.5X3.0X80		1	9008320000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.







Support plates and end plates

PAP 2.5/4



Technical data	
Width	mm
Ordering data	
dark beige	
blue	
grey	
black	
Note	

2.5		
Type	Qty.	Order No.
PAP 2.5/4	50	1896300000
PAP 2.5/4 BL	50	1049210000
Note		

PAP 2.5/4/3AN



2.5		
Type	Qty.	Order No.
PAP 2.5/4/3AN	50	1896480000
PAP 2.5/4/3AN BL	50	1052300000
Note		

PAP 2.5/4/4AN



2.5		
Type	Qty.	Order No.
PAP 2.5/4/4AN	50	1896320000
PAP 2.5/4/4AN BL	50	1052290000
Note		

Support plates and end plates

PAP PDU6/10



Technical data	
Width	mm
Ordering data	
dark beige	
blue	
grey	
black	
Note	

2.5		
Type	Qty.	Order No.
PAP PDU6/10	20	1896330000
PAP PDU6/10 BL	50	1049200000
Note		

PAP PDU6/10/3AN



2.5		
Type	Qty.	Order No.
PAP PDU6/10/3AN	20	1896340000
Note		

PAP 16



2.7		
Type	Qty.	Order No.
PAP 16	10	1896290000
Note		

Support plates and end plates

PAP PDK 2.5/4



Technical data	
Width	mm
Ordering data	
dark beige	
blue	
grey	
black	
Note	

2.5		
Type	Qty.	Order No.
PAP PDK 2.5/4	20	1919720000
Note		

PAP PMAK 4



1		
Type	Qty.	Order No.
PAP PMAK 4	20	1221360000
Note		

PAP PTR2.5/4



2.5		
Type	Qty.	Order No.
PAP PTR2.5/4	20	1934680000
Note		



Support plates and end plates

PAP PTR2.5/4/3AN

PAP PTR2.5/4/4AN

PAP PTL/PSI 6/10

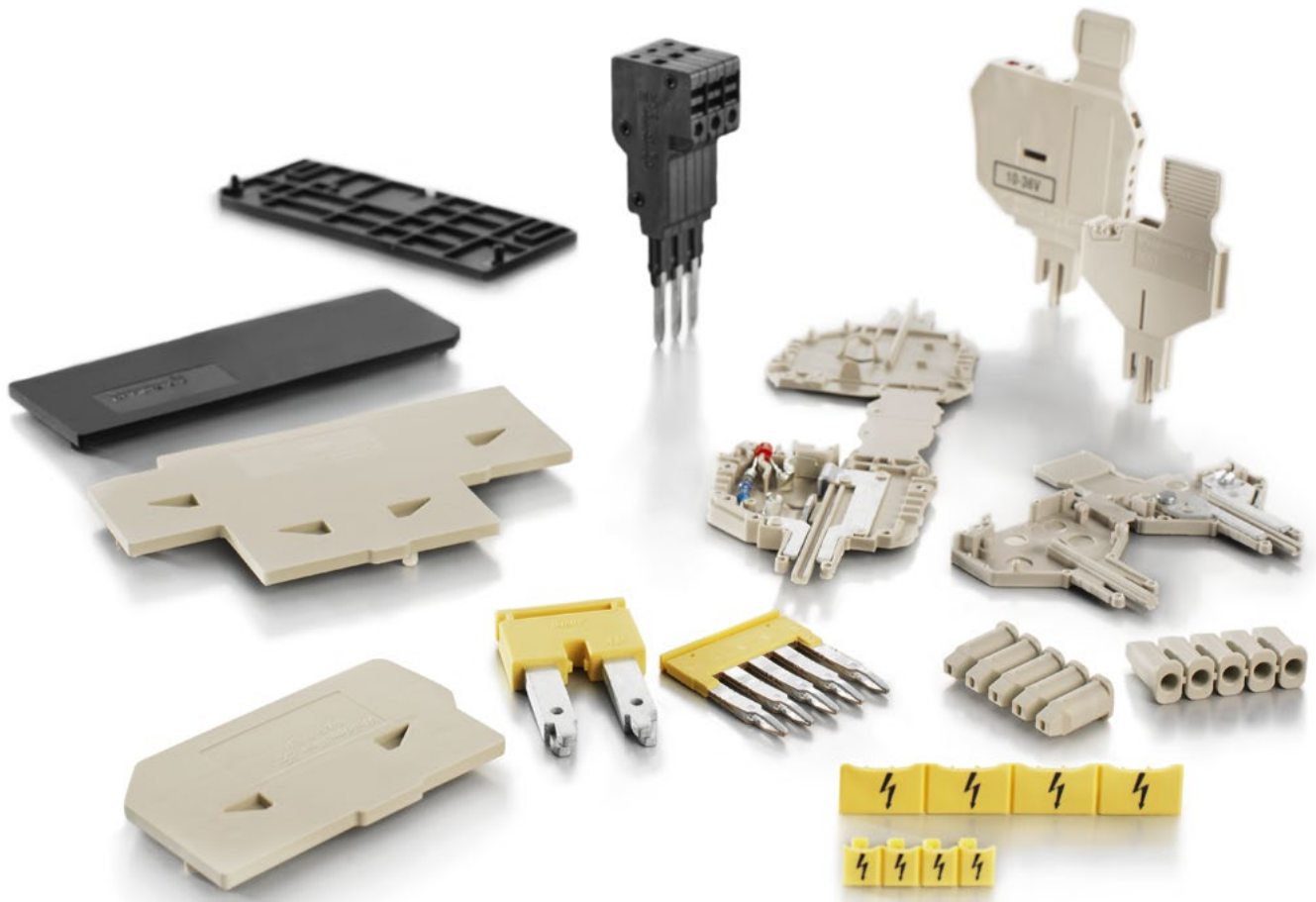


Technical data	
Width	mm
Ordering data	
dark beige	
blue	
grey	
black	
Note	

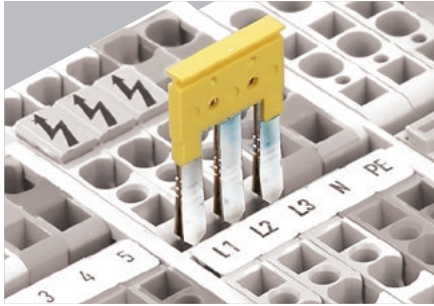
Technical data			
2.5			
Type	Qty.	Order No.	
PAP PTR2.5/4/3AN	20	1934690000	
Note			

Technical data			
2.5			
Type	Qty.	Order No.	
PAP PTR2.5/4/4AN	20	1934700000	
Note			

Technical data			
2.5			
Type	Qty.	Order No.	
PAP PTL/PSI 6/10	20	1165320000	
PAP PTL/PSI 6/10 SW	20	1165330000	
Note			



**Plug-in cross-connection ZQV**



The time-saving, easy-to-use cross-connection combs for terminals, featuring PUSH IN technology.

- **ZQV 2.5** as 2- to 10-pole combs and
- **ZQV 6/N** as 2- to 4-pole combs and
- **ZQV 16/2** as 2-pole comb (link)

These versions come with complete shock protection.

However, please note that the rated voltage is reduced to 400 V when using cross-connections. This does not apply to terminals with a rated voltage below 400 V. Here the rated voltage of the used terminal is mandatory.

**Breaking out contact elements**

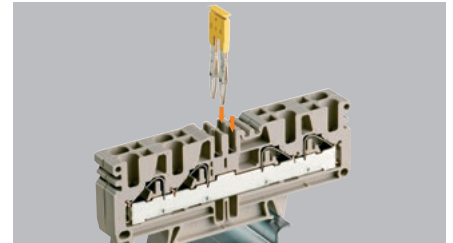
If one or more (max. 60 % for reasons of stability and temperature rise) of the contact elements are broken out of the cross-connections, terminals may be bypassed to suit the application.



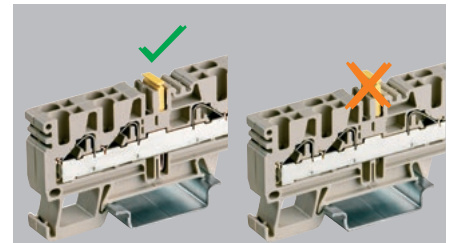
**Fitting and changing cross-connections**

The fitting and changing of cross-connections is a trouble-free and fast operation:

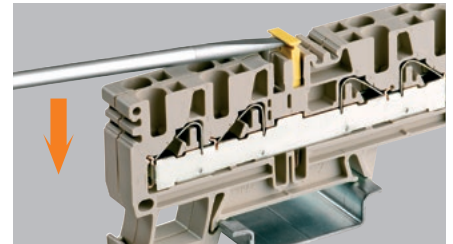
- Insert the cross-connection into the cross-connection channel in the terminal...



... and press it fully home. (The cross-connection may not project from the channel.)

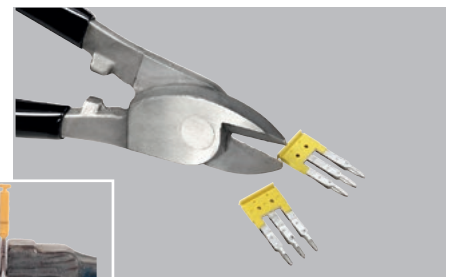


- Remove a cross-connection by simply prising it out with a screwdriver.



**Shortening cross-connections**

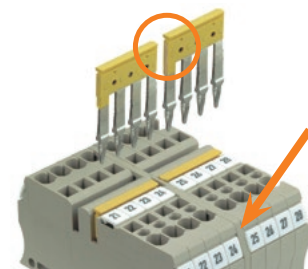
Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 9002170000). However, three contact elements must always be retained.



**Caution:**  
Contact elements must not be deformed!



**Note:**  
In the use of manually cut ZQV cross-connections and cross-connections with bare cut edges (>10 poles), the voltage reduces to 25 V.



**Electrical distribution**

ZQV 2.5/20 is a cross-connector for interconnecting up to 20 terminals easily, quickly and individually.

**ZQV 2.5**



**ZQV 6 N**



**ZQV 16/2**



Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
20-pin	
Note	

24			
Type	Qty.	Order No.	
ZQV 2.5/2	60	1608860000	
ZQV 2.5/3	60	1608870000	
ZQV 2.5/4	60	1608880000	
ZQV 2.5/5	20	1608890000	
ZQV 2.5/6	20	1608900000	
ZQV 2.5/7	20	1608910000	
ZQV 2.5/8	20	1608920000	
ZQV 2.5/9	20	1608930000	
ZQV 2.5/10	20	1608940000	
ZQV 2.5/20	20	1908960000	

76			
Type	Qty.	Order No.	
ZQV 6N/2	60	1906210000	
ZQV 6N/3	60	1906220000	
ZQV 6N/4	60	1906230000	
ZQV 6N/20	20	1906240000	

76			
Type	Qty.	Order No.	
ZQV 16/2	25	1739690000	
Only with use of 2 dummy cables			



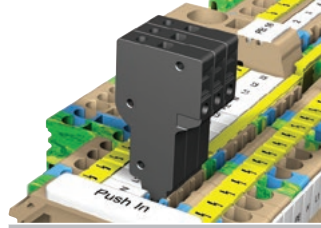
**Spring connection with PUSH IN technology (P-Series)  
Accessories**

**Test adapter**

The PTA snap-on test adapter is used as an individual slice and also as a test adapter strip for measurements. Conductors with cross-sections from 0.5 mm<sup>2</sup> to 1.0 mm<sup>2</sup> can be connected. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

**PTA**

**Standard**



Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pin with snap-in pegs

5.1 / 19.7		
6		
Technical data		
Product type		
Ordering data		
	for conductor 0,5 mm <sup>2</sup> , grey	
	for conductor 1 mm <sup>2</sup> , dark grey	
Type	Qty.	Order No.
PTA PDU2.5/4	25	1916180000
PTA ZA PDU2.5/4	25	1916190000

**Reducing sleeves**

The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point. Packaged in sets of 100 x 10-pole strips

**PRH 2.5/4**

**Reducing sleeves**



Technical data	
Product type	
Ordering data	
	for conductor 0,5 mm <sup>2</sup> , grey
	for conductor 1 mm <sup>2</sup> , dark grey

Reducing sleeve		
Type	Qty.	Order No.
PRH 2.5/4/1	100	1916410000
PRH 2.5/4/2	100	1916400000

**Cover**

The VDE standards call for power connection terminals to be covered. For this purpose, Weidmüller can supply yellow warning PAD covers with the "lightning flash" symbol. The cover is clipped into the screwdriver slit in the terminal and each one covers a group of four terminals.

**PAD**



Technical data	
Product type	
Ordering data	
	Terminal width, 5,1 mm
	Terminal width, 8 mm
	Terminal width, 12 mm

Cover			
Type	Qty.	Order No.	
PAD 2.5/4/4	80	1916150000	
PAD 6/10/4	80	1916160000	
PAD 16/4	80	1916170000	

**Label**

The BZT marking tags enable you to label the middle of the marking channel with the WS 10/5 tags. The marking tags can be put together with pins in order to achieve the greatest degree of stability.

**BZT 1/BZT 2**

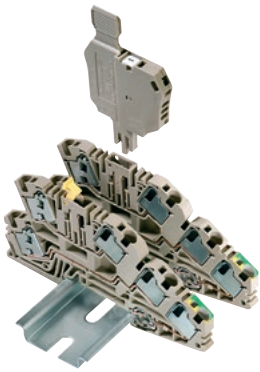
**Tag carriers**



Technical data	
Product type	
Ordering data	
	one-sided, without peg
	one-sided, with peg
	two-sided, without peg

Marker holder		
Type	Qty.	Order No.
BZT 1 WS 10/5	100	1805490000
BZT 1 ZA WS 10/5	100	1805520000
BZT 2 WS 10/5	100	1805480000

### SIHA fuse holder



#### For 5 x 20 G-fuse cartridges

The SIHA fuse holder converts a simple terminal into a fuse terminal in next to no time.

Simply remove the disconnect lever and insert the fuse plug.

Better: order the PDL 4... OTNHE and insert the SIHA immediately.

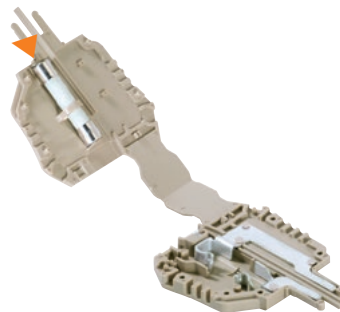
- Simple handling without tools
- Housing made of Wemid (VO)
- Rated current 6.3 A
- Even fits on 5 mm wide terminals when fitted in offset arrangement



1. Open fuse holder with fingers or screwdriver.



2. Press out old fuse.



3. Position new fuse.



4. Press fuse holder together again with fingers or screwdriver.

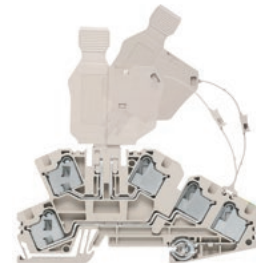
### SIHA 3



- Identification position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20



### SIHA STRAP



without LED		Qty.	Order No.
SIHA3/G20	400 V	1	7921560000
with LED (red)			
SIHA3/G20	10 - 36 V	1	7921570000
	35 - 70 V	1	7921580000
	60 - 150 V	1	7921590000
	140 - 250 V	1	7921600000

#### For test-disconnect terminals versions

PTR 2.5/4...

PDL 4 TR/...

with strap		Qty.	Order No.
SIHA STRAP		20	9537680000

Connector for retro-fit assembly

- Receptacle in the terminal is the identification position
- Integrated identification position on the strap
- Slots into fuse holder either on the left or on the right

#### Applications with PTR 2.5/4..., PDL 4 TR/... and SIHA 3

		Short-circuit protection		Overload and short-circuit protection	
		Nom. value		Nom. value	
		Power loss	Rated current	Power loss	Rated current
PTR 2.5/4...	Single	4.0 W	6.3 A	1.6 W	6.3 A
	Group	1.6 W	6.3 A		
PDL 4 TR/... und SIHA 3	Single	1.6 W	6.3 A	1.6 W	6.3 A
	Group	1.6 W	6.3 A		

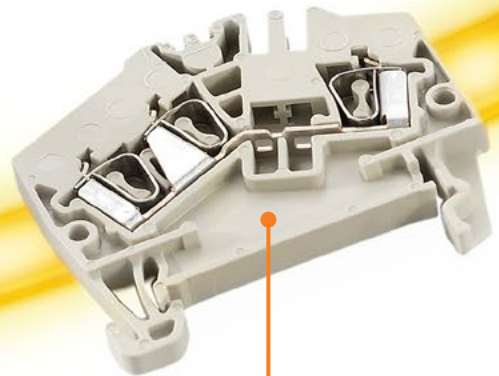
## Flexible in wiring, vibration-resistant in operation

### Klippon® Connect with proven tension clamp technology

Whether in machine construction, the automotive industry or railway and shipping: wherever there is a requirement for a particularly vibration-resistant contact, tension clamp technology proves extremely reliable. At the same time, our terminal blocks with proven tension clamp technology are perfect for compact yet manageable panel construction. The wide range with numerous additional functions and pluggable terminal blocks (WeiCoS), the wide clamping range and up to two cross-connection channels make the Z-Series perfectly adaptable to all requirements. Pluggable standard cross-connections enable flexible potential distribution.

#### Our promise

Klippon® Connect helps you reliably achieve a range of applications. Our terminal blocks with tension clamp technology are impressively compact and flexible. They contribute to highly efficient panel construction and improved productivity.



#### Flexibility

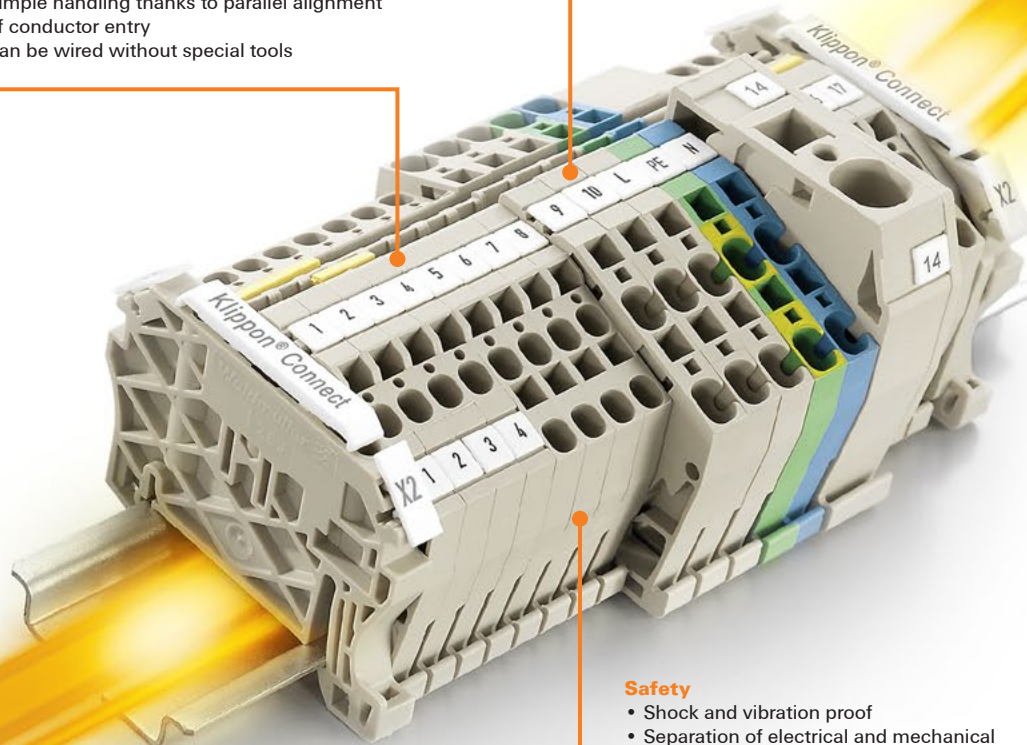
- Pluggable standard cross-connections for flexible potential distribution
- Secure interlocking of all plug-in connectors (WeiCoS)

**Time saving**

- Integrated test point
- Simple handling thanks to parallel alignment of conductor entry
- Can be wired without special tools

**Space saving**

- Compact design
- Length reduced by up to 36 percent in roof style

**Safety**

- Shock and vibration proof
- Separation of electrical and mechanical functions
- No-maintenance connection for a safe, gas-tight contacting
- The tension clamp is made of steel with an externally-sprung contact for optimum contact force
- Current bar made of copper for low voltage drops

**Overview****Exceptionally practical:**

The Z-Series has an impressive, practical design and comes in two variants: standard and roof. Our standard models cover wire cross-sections from 0.05 to 35 mm<sup>2</sup>. Terminal blocks for wire cross-sections from 0.13 to 16 mm<sup>2</sup> are available as roof variants. The striking shape of the roof style gives a reduction in length of up to 36 percent compared to standard terminal blocks.

**Simple and clear:**

Despite their compact width of just 5 mm (2 connections) or 10 mm (4 connections), our block terminals guarantee absolute clarity and ease of handling thanks to the top-entry conductor feeds. This means the wiring is clear even in terminal boxes with restricted space.



## Spring connection with tension clamp technology (Z-Series)

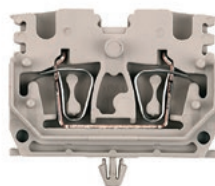
### Feed-through terminal blocks



#### ZDUB 2.5-2/2AN/RC

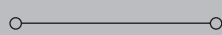
2.5 mm<sup>2</sup>

Two connections



Width/Length/Height of lowest version mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

5.1 x 33.2 x 29  
**30 / 4**  
**0.13...4**



#### Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / Flammability class UL94	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600 (C)	600 (C)	550
24	20 (C)	25 (C)	21
2.5	AWG 26...12	AWG 26...12	2.5
8 kV / 3			
A2 / V-0			
KEMA 97ATEX2755 U			
Rated connection			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
Note			
Snap-on clip			

#### Ordering data

Central terminals	
	Dark beige Wemid
	Blue Wemid
	Yellow Wemid
Note	

Type	Qty.	Order No.
ZDUB 2.5-2/2AN/RC	100	1712820000
ZDUB 2.5-2/2AN/RC BL	100	1712830000
Note		
Diameter of the snap-on clip mounting holes is 3.5 mm when the thickness of the plate is 0.6-961.2 mm.		

#### Accessories

<b>Pluggable cross-connection</b>	2-pole
<b>End plate / Partition plate</b>	Dark beige Wemid Blue Wemid Orange PA
<b>Screwdriver</b>	Standard

Type	current	Qty.	Order No.
ZQB 2.5-2	24 A	50	1677120000
Width			
ZAP ZDUB	5 mm	50	1704750000
ZAP ZDUB BL	5 mm	50	1704760000
ZAP ZDUB OR	5 mm	50	1704770000
SDIS SL 0.6X3.5X100			
		1	1274660000

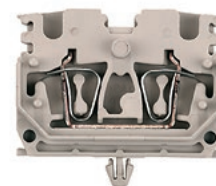
<b>Identification systems</b>	(see assortment in catalogue 7) Marking tags
Note	

DEK 5/5 / WS 10/5
The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

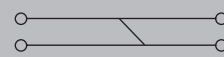
#### ZDUB 2.5-2/4AN/RC

2.5 mm<sup>2</sup>

Four connections



10.2 x 33.5 x 29  
**30 / 4**  
**0.13...4**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600 (C)	600 (C)	550
24	20 (C)	25 (C)	21
2.5	AWG 26...12	AWG 26...12	2.5
8 kV / 3			
A2 / V-0			
KEMA 97ATEX2755 U			
Rated connection			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
Note			
Snap-on clip			

Type	Qty.	Order No.
ZDUB 2.5-2/4AN/RC	100	1712970000
ZDUB 2.5-2/4AN/RC BL	100	1712980000
ZDUB 2.5-2/4AN/RC GE	100	1713000000
Note		
Diameter of the snap-on clip mounting holes is 3.5 mm when the thickness of the plate is 0.6-961.2 mm.		

Type	current	Qty.	Order No.
ZQB 2.5-2	24 A	50	1677120000
Width			
ZAP ZDUB	5 mm	50	1704750000
ZAP ZDUB BL	5 mm	50	1704760000
ZAP ZDUB OR	5 mm	50	1704770000
SDIS SL 0.6X3.5X100			
		1	1274660000

DEK 5/5 / WS 10/5
The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).



ZDUB 2.5-2/2AN/DM

2.5 mm<sup>2</sup>

Two connections



Width/Length/Height of lowest version	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 33.5 x 24
<b>30 / 4</b>
<b>0.13...4</b>

Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / Flammability class UL94	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600 (C)	600 (C)	550
24	20 (C)	25 (C)	21
2.5	AWG 26...12	AWG 26...12	2.5...
8 kV / 3			
A2 / V-0			
KEMA 97ATEX2755 U			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
Direct mounting			

Ordering data

<b>End terminals</b>	
Dark beige Wemid	
Blue Wemid	
Yellow Wemid	
<b>Central terminals</b>	
Dark beige Wemid	
Blue Wemid	
Yellow Wemid	
Orange Wemid	
<b>Note</b>	

Type	Qty.	Order No.
ZDUB 2.5-2/2AN/DB	100	1704500000
ZDUB 2.5-2/2AN/DB BL	100	1704510000
ZDUB 2.5-2/2AN/DB GE	100	1704530000
ZDUB 2.5-2/2AN/DM	100	1704350000
ZDUB 2.5-2/2AN/DM BL	100	1704360000
ZDUB 2.5-2/2AN/DM GE	100	1704380000
ZDUB 2.5-2/2AN/DM OR	100	1704370000

Accessories

<b>Pluggable cross-connection</b>	2-pole
<b>End plate / Partition plate</b>	
Dark beige Wemid	
Blue Wemid	
Orange PA	
<b>Mounting blocks</b>	
Dark beige Wemid	
<b>Screwdriver</b>	Standard
<b>Mounting foot for TS15 &amp; TS35</b>	Dark beige Wemid

Type	current	Qty.	Order No.
ZQB 2.5-2	24 A	50	1677120000
<b>Width</b>			
ZAP ZDUB	5 mm	50	1704750000
ZAP ZDUB BL	5 mm	50	1704760000
ZAP ZDUB OR	5 mm	50	1704770000
ZBB ZDUB	5.1 mm	50	1704740000
SDIS SL 0.6X3.5X100		1	1274660000
MOFU 15/35 ZDUB	5 mm	50	1723660000

<b>Identification systems</b>	(see assortment in catalogue 7)
	Marking tags
<b>Note</b>	

DEK 5/5 / WS 10/5
The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

ZDUB 2.5-2/4AN/DM

2.5 mm<sup>2</sup>

Four connections



10.2 x 33.5 x 24
<b>30 / 4</b>
<b>0.13...4</b>

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600 (C)	600 (C)	550
24	20 (C)	25 (C)	21
2.5	AWG 26...12	AWG 26...12	2.5...
8 kV / 3			
A2 / V-0			
KEMA 97ATEX2755 U			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
Direct mounting			

Type	Qty.	Order No.
ZDUB 2.5-2/4AN/DB	100	1704690000
ZDUB 2.5-2/4AN/DB BL	100	1704700000
ZDUB 2.5-2/4AN/DB GE	100	1704720000
ZDUB 2.5-2/4AN/DM	100	1704540000
ZDUB 2.5-2/4AN/DM BL	100	1704550000
ZDUB 2.5-2/4AN/DM GE	100	1704570000
ZDUB 2.5-2/4AN/DM OR	100	1704560000

Type	current	Qty.	Order No.
ZQB 2.5-2	24 A	50	1677120000
<b>Width</b>			
ZAP ZDUB	5 mm	50	1704750000
ZAP ZDUB BL	5 mm	50	1704760000
ZAP ZDUB OR	5 mm	50	1704770000
ZBB ZDUB	5.1 mm	50	1704740000
SDIS SL 0.6X3.5X100		1	1274660000
MOFU 15/35 ZDUB	5 mm	50	1723660000

DEK 5/5 / WS 10/5
The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).



## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks



#### ZDUB 2.5-2/2AN/TS15

2.5 mm<sup>2</sup>

Two connections



#### ZDUB 2.5-2/4AN/TS15

2.5 mm<sup>2</sup>

Four connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 33.5 x 31
<b>30 / 4</b>
<b>0.13...4</b>

10.2 x 33.5 x 31
<b>30 / 4</b>
<b>0.13...4</b>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	20	25	21
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE ENEC KEMA IEC 94 KEMA 97 ATEX 2755U			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
TS 15 - block construction			

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	20	25	21
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE ENEC KEMA IEC 94 KEMA 97 ATEX 2755U			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
TS 15 - block construction			

#### Ordering data

<b>Version</b>	
	dark beige
	blue
	orange
<b>Note</b>	

Type	Qty.	Order No.
ZDUB 2.5-2/2AN/15	100	1712750000
ZDUB 2.5-2/2AN/15 BL	100	1712760000
ZDUB 2.5-2/2AN/15 OR	100	1712770000

Type	Qty.	Order No.
ZDUB 2.5-2/4AN/15	100	1712780000
ZDUB 2.5-2/4AN/15 BL	100	1712790000
ZDUB 2.5-2/4AN/15 OR	100	1712800000

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	orange
<b>End bracket</b>	
	beige
<b>Screwdriver</b>	
	Standard
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQB 2.5-2	24 A	50	1677120000
ZAP ZDUB		50	1704750000
ZAP ZDUB BL		50	1704760000
ZAP ZDUB OR		50	1704770000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQB 2.5-2	24 A	50	1677120000
ZAP ZDUB		50	1704750000
ZAP ZDUB BL		50	1704760000
ZAP ZDUB OR		50	1704770000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

The terminal blocks are cross-connected when using the ZQB 2.5 (1677120000).

**ZDUA 2.5-2**

**2.5 mm<sup>2</sup>**

Two connections



5.1 x 35 x 30  
**30 / 4**  
**0.13...4**



IEC 60947-7-1

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
500	600	600	275
24	20	20	20
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A2 / V-0			



KEMA97ATEX4678U

**Rated connection**

0.5...4  
0.5...2.5 / 0.5...1.5  
10 / 0.6 x 3.5 mm

TS 15 - sliced construction

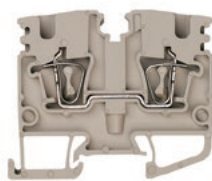
Type	Qty.	Order No.
ZDUA 2.5-2	100	1720920000
ZDUA 2.5-2 BL	100	1720930000
ZDUA 2.5-2 OR	100	1720940000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZDUA		50	1720960000
ZAP/TW ZDUA BL		50	1720970000
ZAP/TW ZDUA OR		50	1720980000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

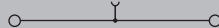
**ZDUA 2.5-2N**

**2.5 mm<sup>2</sup>**

Two connections



5.1 x 42.5 x 35  
**30 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A2 / V-0			



**Rated connection**

0.5...4  
0.5...2.5 / 0.5...1.5  
10 / 0.6 x 3.5 mm

TS 15 - sliced construction

Type	Qty.	Order No.
ZDUA 2.5-2N	100	1808200000
ZDUA 2.5-2N BL	100	1808180000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZDUA2.5-2N		50	1808170000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000



# Modular design

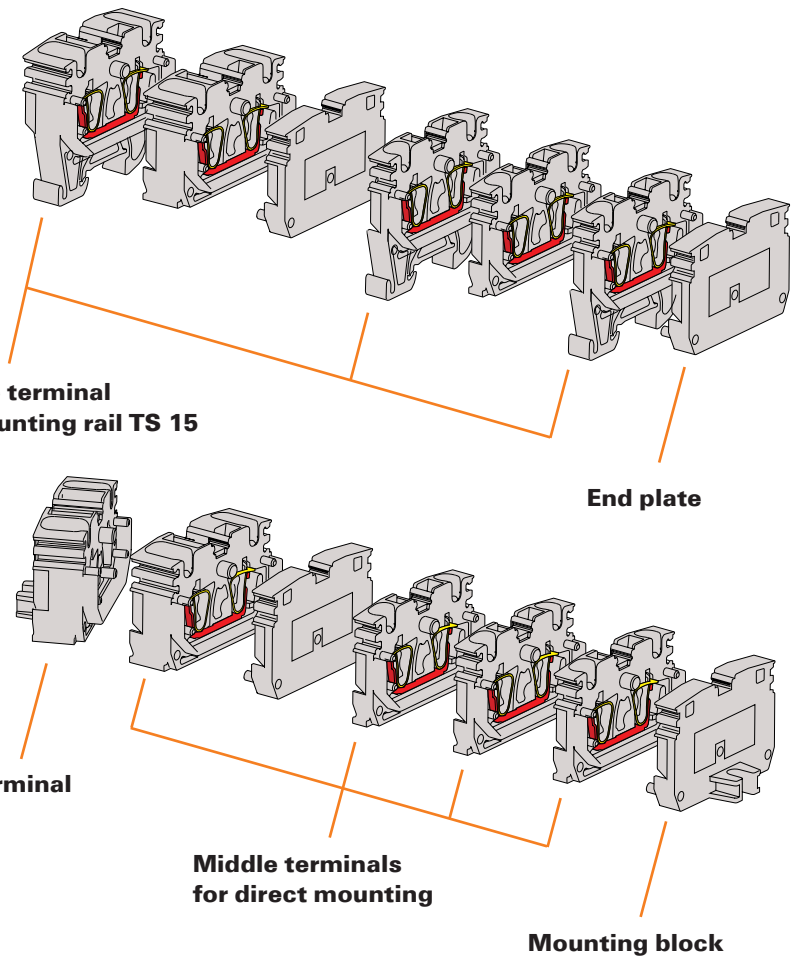
This mini-terminal family in tension clamp technology can be used to assemble individual blocks with 2- and 4-pole terminals.

An individual colour scheme for individual connection groups allows visual differentiation between different circuits.

With a structural width of only 5 mm (2 connections) or 10 mm (4 connections), the TOP connection system guarantees clearly organised wiring of circuits, even in terminal boxes with restricted space.

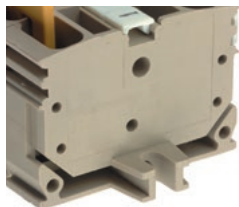
There are three different marking options for quick and clear identification of each terminal.

Made of Weidmüller's top quality WEMID insulation, all block terminals comply with requirements for a V0 flammability class to UL94.



Individual blocks are put together from **middle terminals** and an end plate for the open side. Screw fastening involves the first middle terminal and the **end plate** being replaced by end terminals for fastening purposes. With the other fastening variations, **middle terminals with means of fastening** are integrated within the block or a **mounting foot (MOFU)** is used for fitting to the mounting rail.

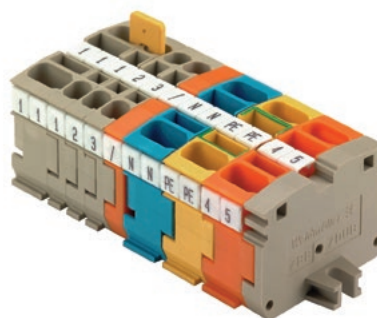
... with 4 different means of fastening



**Direct mounting with screw fastening on mounting plate**

The fastening terminals on the right and left of the terminal block are mounted using M3 screws. Central fastening is not possible in this case.

**ZDUB 2.5-2 DM**



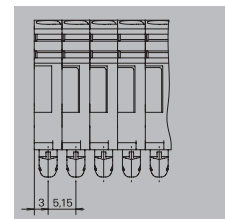
**Clip-on fastening on mounting plates**

The terminals are simply clipped onto mounting plates 0.6 – 1.2 mm thick with the clips in the 3.5 mm holes. The open side of the terminal is closed by an end plate.

**ZDUB 2.5-2 RC**



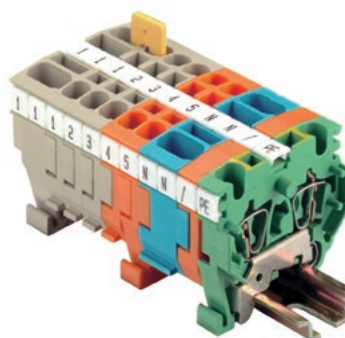
**Drilling plan:  
ZDUB/2.5-2/2AN**



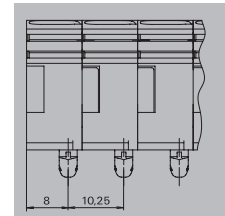
**Fitting on mounting rail TS 15**

For clipping on mounting rail TS 15. The open side of the terminal is closed by an end plate.

**ZPEB 2.5-2 TS 15**



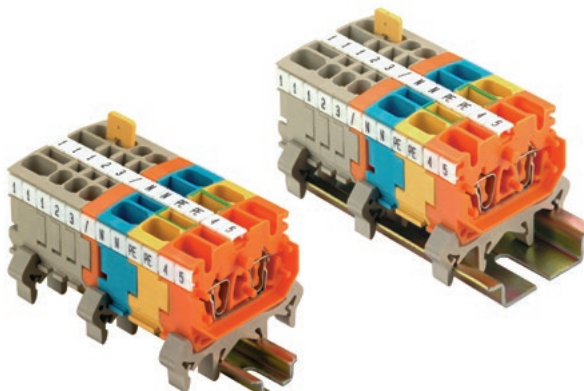
**ZDUB 2.5-2/4AN**



**Mounting foot for mounting rail TS 15/35**

The mounting foot can be used for clipping terminal blocks consisting only of middle terminals either to TS 15 or TS 35 mounting rails.

**MOFU TS 15/35**



**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

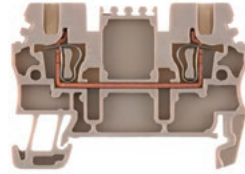
Universal range

**A**



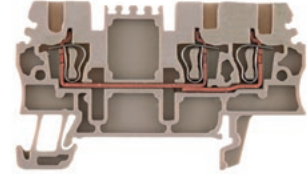
**ZDU 1.5** **1.5 mm<sup>2</sup>**

Two connections



**ZDU 1.5/3 AN** **1.5 mm<sup>2</sup>**

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 51.5 x 36.5	
<b>17.5 / 1.5</b>	
<b>0.05...1.5</b>	

3.5 x 63.5 x 36.5	
<b>17.5 / 1.5</b>	
<b>0.05...1.5</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
500	300	300	550				
17.5	15	20	15				
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>				
				6 kV / 3			
				B1 / V-0			
				KEMA01ATEX2106U			
<b>Rated connection</b>							
0.5...1.5							
0.5...1.5 / 0.5...1.5							
10 / 0.4 x 2.0 mm							

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
500	300	300	550				
17.5	15	20	15				
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>				
				6 kV / 3			
				B1 / V-0			
				KEMA01ATEX2106U			
<b>Rated connection</b>							
0.5...1.5							
0.5...1.5 / 0.5...1.5							
10 / 0.4 x 2.0 mm							

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 1.5	100	1775480000
ZDU 1.5 BL	100	1775490000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 1.5/3AN	100	1775530000
ZDU 1.5/3AN BL	100	1775540000

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	Standard
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/2AN		20	1776030000
ZAP/TW ZDU1.5/2AN BL		20	1776040000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

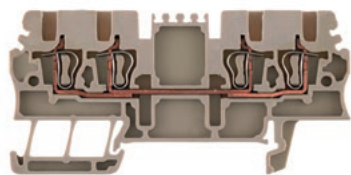
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/3AN		20	1776060000
ZAP/TW ZDU1.5/3AN BL		20	1776070000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

For detailed information on other accessories and application in the online catalogue

**ZDU 1.5/4 AN**

**1.5 mm<sup>2</sup>**

Four connections



3.5 x 75.5 x 36.5  
**17.5 / 1.5**  
**0.05...1.5**



IEC 60947-7-1

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	550
17.5	15	20	15
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>

6 kV / 3

B1 / V-0



KEMA01ATEX2106U

**Rated connection**

0.5...1.5  
0.5...1.5 / 0.5...1.5  
10 / 0.4 x 2.0 mm

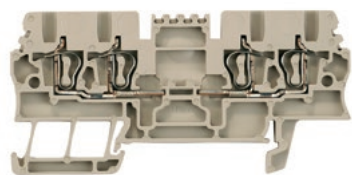
Type	Qty.	Order No.
ZDU 1.5/4AN	100	1775580000
ZDU 1.5/4AN BL	100	1775600000

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/4AN		20	1776090000
ZAP/TW ZDU1.5/4AN BL		20	1776100000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

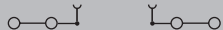
**ZDU 1.5 2x2AN**

**1.5 mm<sup>2</sup>**

2 x 2 connections



3.5 x 75.5 x 36.5  
**17.5 / 1.5**  
**0.05...1.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			

6 kV / 3

B1 / V-0



**Rated connection**

0.5...1.5  
0.5...1.5 / 0.5...1.5  
10 / 0.4 x 2.0 mm

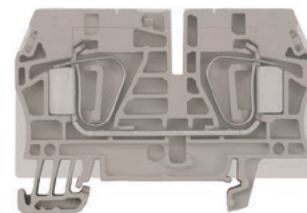
Type	Qty.	Order No.
ZDU 1.5/2X2AN	100	1826970000

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZAP/TW ZDU1.5/4AN		20	1776090000
ZAP/TW ZDU1.5/4AN BL		20	1776100000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
ZAD 7/4		20	1781940000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

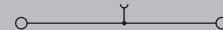
**ZEI 6**

**6 mm<sup>2</sup>**

Supply terminal



10 x 65 x 45  
**57 / 10**  
**0.5...10**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			

8 kV / 4

A5 / V-0



**Rated connection**

0.5...10  
0.5...10 / 0.5...6  
13 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZEI 6	20	1791190000

End plate is integrated.

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 0.8X4.0X100		1	1274670000
ZAD 3/4		20	1609120000
DEK 8 FSZ 1-10		500	1289660001
WS 12/6 MC NE WS		600	1609900000

The plug-in cross-connections ZQV 1.5/... can be used.



**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

Universal range

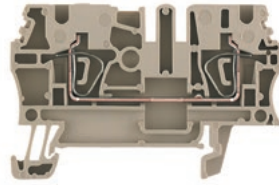
A



**ZDU 2.5**

**2.5 mm<sup>2</sup>**

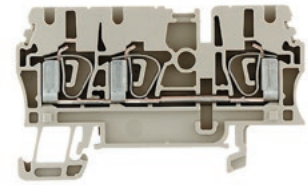
Two connections



**ZDU 2.5/3AN**

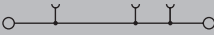
**2.5 mm<sup>2</sup>**

Three connections

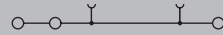


Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 59.5 x 38.5
<b>31 / 4</b>
<b>0.05...4</b>



5.1 x 64.5 x 38.5
<b>31 / 4</b>
<b>0.05...4</b>



**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	25	27	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
KEMA97ATEX2521U			
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	25	27	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
KEMA97ATEX2521U			
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 2.5	100	<b>1608510000</b>
ZDU 2.5 BL	100	<b>1608520000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 2.5/3AN	100	<b>1608540000</b>
ZDU 2.5/3AN BL	100	<b>1608550000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	Standard
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW 1		50	<b>1608740000</b>
ZAP/TW 1 BL		50	<b>1608750000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 1		25	<b>1609040000</b>
ZTA 1/ZA		25	<b>1609050000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 2.5/1 WS		1000	<b>1614300000</b>
ZRH 2.5/2 GR/V0		1000	<b>1614290000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW 2 DB		50	<b>1608770000</b>
ZAP/TW 2 BL		50	<b>1608780000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 1		25	<b>1609040000</b>
ZTA 1/ZA		25	<b>1609050000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 2.5/1 WS		1000	<b>1614300000</b>
ZRH 2.5/2 GR/V0		1000	<b>1614290000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

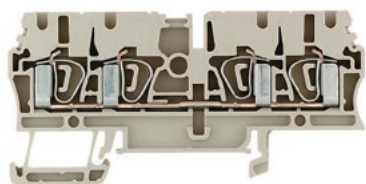
For detailed information on other accessories and application in the online catalogue



ZDU 2.5/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 79.5 x 38.5  
27 / 4  
0.05...4



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	27	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0

KEMA97ATEX2521U

Rated connection

0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

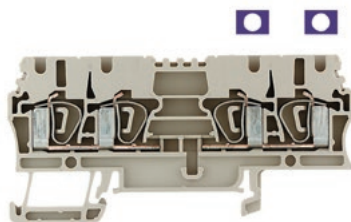
Type	Qty.	Order No.
ZDU 2.5/4AN	100	1608570000
ZDU 2.5/4AN BL	100	1608580000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 3		50	1608800000
ZAP/TW 3 BL		50	1608810000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

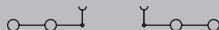
ZDU 2.5/2x2AN

2.5 mm<sup>2</sup>

Two potentials feasible



5.1 x 79.5 x 38.5  
30 / 4  
0.05...4



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	27	21
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>

8 kV / 3

A3 / V-0

KEMA97ATEX2521U

Rated connection

0.5...4  
0.5...4 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 2.5/2X2AN	100	1608600000
ZDU 2.5/2X2AN BL	100	1608610000

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZAP/TW 3 BL		50	1608810000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
ZAD 1/4		20	1609110000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000



**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

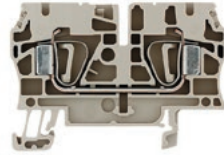
Universal range

A



**ZDU 4** **4 mm<sup>2</sup>**

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 62 x 43
<b>41 / 6</b>
<b>0.13...6</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			
CE CB IEC UL KEMA97ATEX2521U			
<b>Rated connection</b>			
0.5...6 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			
When using twin ferrules, the rated voltage is 690 V.			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 4	100	1632050000
ZDU 4 BL	100	1632060000

**Accessories**

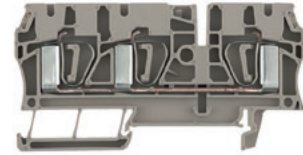
<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	Standard
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW 4		50	1632090000
ZAP/TW 4 BL		50	1632100000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
ZAD 2/4		20	1609080000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

**ZDU 4/3 AN** **4 mm<sup>2</sup>**

Three connections



6.1 x 83.5 x 43
<b>41 / 6</b>
<b>0.13...6</b>

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			
CE CB IEC UL KEMA00ATEX2107U			
<b>Rated connection</b>			
0.5...6 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			
When using twin ferrules, the rated voltage is 690 V.			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 4/3AN	50	7904180000
ZDU 4/3AN BL	50	7904190000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW 4/3AN		20	7904100000
ZAP/TW 4/3AN BL		20	7904110000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
ZAD 2/4		20	1609080000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

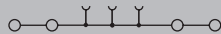
ZDU 4/4 AN

4 mm<sup>2</sup>

Four connections



6.1 x 104.5 x 43  
41 / 6  
0.13...6



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3

A4 / V-0

KEMA00ATEX2107U

**Rated connection**

0.5...6 / 0.5...6

0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

When using twin ferrules, the rated voltage is 690 V.

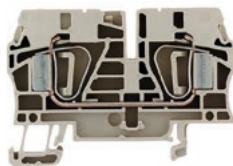
Type	Qty.	Order No.
ZDU 4/4AN	50	7904290000
ZDU 4/4AN BL	50	7904300000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW4/4AN		20	7904210000
ZAP/TW4/4AN BL		20	7904220000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
ZAD 2/4		20	1609080000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000

ZDU 6

6 mm<sup>2</sup>

Two connections



8.1 x 65 x 45  
57 / 10  
0.22...10



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>

8 kV / 3

A5 / V-0

KEMA97ATEX2521U

**Rated connection**

0.5...10

0.5...6 / 0.5...6

13 / 1.0 x 5.5 mm

The ZH 0.5 - ZH 2.5 twin ferrules can be used.

Type	Qty.	Order No.
ZDU 6	50	1608620000
ZDU 6 BL	50	1608630000

1000 V DC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW 5		50	1608830000
ZAP/TW 5 BL		50	1608840000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 3/4		20	1609120000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZDU 6/3 AN

6 mm<sup>2</sup>

Three connections



8.1 x 90 x 45  
57 / 10  
0.22...10



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	50	50	36
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>

8 kV / 3

A5 / V-0

KEMA00ATEX2107U

**Rated connection**

0.5...10

0.5...6 / 0.5...6

13 / 1.0 x 5.5 mm

The ZH 0.5 - ZH 2.5 twin ferrules can be used.

Type	Qty.	Order No.
ZDU 6/3AN	50	7907410000
ZDU 6/3AN BL	50	7907420000

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW6/3AN		20	7907370000
ZAP/TW6/3AN BL		20	7907380000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 3/4		20	1609120000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000



## Spring connection with tension clamp technology (Z-Series) Feed-through terminal blocks

Universal range

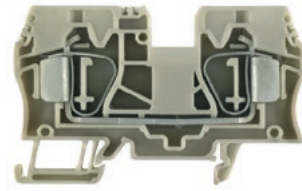
A



### ZDU 10

10 mm<sup>2</sup>

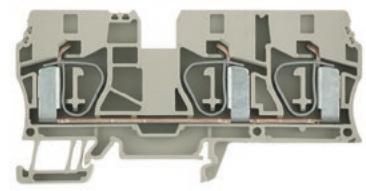
Two connections



### ZDU 10/3AN

10 mm<sup>2</sup>

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

10 x 73.5 x 49.5
<b>72 / 16</b>
<b>1.31...16</b>

10 x 99 x 49.5
<b>57 / 16</b>
<b>1.31...16</b>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1	Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>	
1000	600	600	550	
57	60	55	50	
10	AWG 16...6	AWG 16...6	10 mm <sup>2</sup>	
8 kV / 3				
A6 / V-0				
KEMA99ATEX5514U				
<b>Rated connection</b>				
1.5...16 / 1.5...16				
1.5...10 / 1.5...10				
18 / 1.0 x 5.5 mm				
Cross-connection of ZDU 10 and ZDU 16 is possible using the ZDV 16-10. Cross-connection of ZDU 10 and ZDU 35 is possible using the ZDV 35-10.				

IEC 60947-7-1	Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>	
800	600	600	550	
57	60	55	50	
10	AWG 16...6	AWG 16...6	10 mm <sup>2</sup>	
8 kV / 3				
A6 / V-0				
KEMA00ATEX2107U				
<b>Rated connection</b>				
1.5...16 / 1.5...16				
1.5...10 / 1.5...10				
18 / 1.0 x 5.5 mm				
Cross-connection of ZDU 10 and ZDU 16 is possible using the ZDV 16-10. Cross-connection of ZDU 10 and ZDU 35 is possible using the ZDV 35-10.				

#### Ordering data

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 10	25	<b>1746750000</b>
ZDU 10 BL	25	<b>1746760000</b>
1000 VDC rated voltage tested.		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 10/3AN	20	<b>1767690000</b>
ZDU 10/3AN BL	20	<b>1767700000</b>
1000 VDC rated voltage tested.		

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
<b>Screwdriver</b>	Standard
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZDV 10/2	57 A	25	<b>1739680000</b>
ZAP/TW ZDU10		20	<b>1748660000</b>
ZAP/TW ZDU10 BL		20	<b>1764110000</b>
ZEW 35		20	<b>9540000000</b>
PS 2.3 RT		20	<b>0180400000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
ZAD 4/5		20	<b>1746730000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

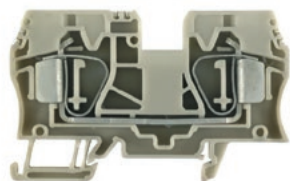
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZDV 10/2	57 A	25	<b>1739680000</b>
ZAP/TW 10/16		20	<b>1749580000</b>
ZAP/TW 10/16 BL		20	<b>1768520000</b>
ZEW 35		20	<b>9540000000</b>
PS 2.3 RT		20	<b>0180400000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
ZAD 4/5		20	<b>1746730000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

For detailed information on other accessories and application in the online catalogue

ZDU 16

16 mm<sup>2</sup>

Two connections



12.1 x 82.5 x 50.5  
98 / 25  
1.5...25



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	550
76	65	65	66
16	AWG 14...4	AWG 14...4	16 mm <sup>2</sup>

8 kV / 3

A7 / V-0

KEMA99ATEX5514U

Rated connection

1.5...16 / 1.5...25

1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

Cross-connection of ZDU 16 and ZDU 35 is possible using the ZDV 35-16. Cross-connection of ZDU 10 and ZDU 16 is possible using the ZDV 16-10.

Type	Qty.	Order No.
ZDU 16	25	1745230000
ZDU 16 BL	25	1745240000

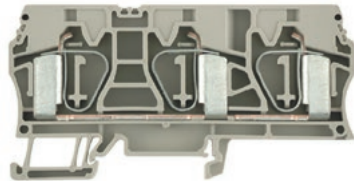
1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP/TW ZDU16		20	1745150000
ZAP/TW ZDU16 BL		20	1764100000
ZEW 35		20	9540000000
PS 2.3 RT		20	0180400000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 5/5		20	1745210000
DEK 5/5 MC NE WS	1000		1609801044
WS 15/5 MC NE WS	480		1609880000

ZDU 16/3 AN

16 mm<sup>2</sup>

Three connections



12.1 x 99 x 50.5  
76 / 25  
1.5...25



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
76	65	65	66
16	AWG 14...4	AWG 14...4	16 mm <sup>2</sup>

8 kV / 3

A7 / V-0

KEMA00ATEX2107U

Rated connection

1.5...16 / 1.5...25

1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
ZDU 16/3AN	20	1768320000
ZDU 16/3AN BL	20	1768330000

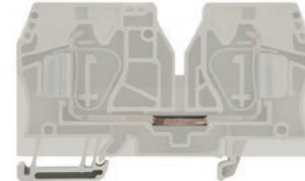
1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP/TW 10/16		20	1749580000
ZAP/TW 10/16 BL		20	1768520000
ZEW 35		20	9540000000
PS 2.3 RT		20	0180400000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 5/5		20	1745210000
DEK 5/5 MC NE WS	1000		1609801044
WS 15/5 MC NE WS	480		1609880000

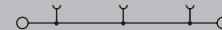
ZEI 16

16 mm<sup>2</sup>

Supply terminal



14.7 x 82.5 x 50.5  
76 / 25  
1.5...25



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
76	65	65	
16	AWG 14...4	AWG 14...4	

8 kV / 3

A7 / V-0

KEMA00ATEX2107U

Rated connection

1.5...16 / 1.5...25

1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
ZEI 16	20	1745350000
ZEI 16 BL	20	1766240000

Integrated end plate.

Type	current	Qty.	Order No.
ZQV 2.5/2	24 A	60	1608860000
ZQV 6/4 GE	41 A	60	1627870000
ZEW 35		20	9540000000
PS 2.3 RT		20	0180400000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 5/5		20	1745210000
DEK 5/5 MC NE WS	1000		1609801044
WS 15/5 MC NE WS	480		1609880000



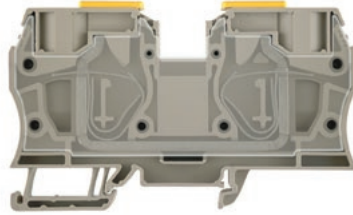
## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

#### ZDU 35

35 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

16 x 100.5 x 58.5
<b>125 / 35</b>
<b>2.5...35</b>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
800	600	600	690				
125	120	120	109				
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>				
8 kV / 3							
A8 / V-0							
				KEMA00ATEX2107U			
<b>Rated connection</b>							
2.5...16 / 2.5...35							
2.5...35 / 2.5...35							
25 / 1.0 x 5.5 mm							

**Note**

Cross-connection of ZDU 10 and ZDU 35 is possible using the ZDV 35-10. Cross-connection of ZDU 16 and ZDU 35 is possible using the ZDV 35-16.

#### Ordering data

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

Type	Qty.	Order No.
ZDU 35	10	<b>1739620000</b>
ZDU 35 BL	10	<b>1739630000</b>

End plate is integrated. 1000 VDC rated voltage tested.

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Screwdriver</b>	
	Standard
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZDV 35/2	105 A	10	<b>1739700000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 1.0X5.5X125		1	<b>1274680000</b>
ZAD 6/5		20	<b>1752620000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>

For detailed information on other accessories and application in the online catalogue



**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

**ZDU 2.5-2**

**2.5 mm<sup>2</sup>**

Two connections



**ZDU 2.5-2/3AN**

**2.5 mm<sup>2</sup>**

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 50.5 x 43
<b>24 / 4</b>
<b>0.13...4</b>

5.1 x 50.5 x 43
<b>24 / 4</b>
<b>0.13...4</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	Gauge to IEC 60947-1 / UL 94 flammability rating
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	24	24	21
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE CB IEC UL Ex KEMA97ATEX4677U			
<b>Rated connection</b>			
0.5...2.5			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550
24	20	23	21
2.5	AWG 26...12	AWG 26...14	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE CB IEC UL Ex KEMA97ATEX4677U			
<b>Rated connection</b>			
0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 2.5-2	100	1772060000
ZDU 2.5-2 BL	100	1772070000
Rated voltage is reduced to 400 V when using the cross-connector.		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 2.5-2/3AN	100	1706010000
ZDU 2.5-2/3AN BL	100	1706040000
Rated voltage is reduced to 400 V when using the cross-connector.		

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZAP/TW7 BL		50	1706120000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC SDR		200	1609810000
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZAP/TW7 BL		50	1706120000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC SDR		200	1609810000
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).



**ZDU 2.5-2/4AN**

**2.5 mm<sup>2</sup>**

Four connections



5.1 x 50.5 x 43  
**24 / 4**  
**0.13...4**



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	23	21
2.5	AWG 26...12	AWG 26...14	2.5 mm <sup>2</sup>

8 kV / 3

A2 / V-0

KEMA97ATEX4677U

**Rated connection**

0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDU 2.5-2/4AN	100	<b>1706060000</b>
ZDU 2.5-2/4AN BL	100	<b>1706070000</b>

The wire cross section is decreased to 1.5 mm<sup>2</sup> when using the ZQB 2.5 for single core and finely stranded wires.

Type	current	Qty.	Order No.
ZQB 2.5-2	24 A	50	<b>1677120000</b>
ZAP/TW7		50	<b>1706110000</b>
ZAP/TW7 BL		50	<b>1706120000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 4		25	<b>1688110000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
ZAD 1/4-2 GE		20	<b>1764560000</b>
DEK 5/5 MC SDR		200	<b>1609810000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

**ZDU 4-2**

**4 mm<sup>2</sup>**

Two connections



6.1 x 61.5 x 45.5  
**32 / 6**  
**0.13...6**



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3

A3 / V-0

KEMA97ATEX4677U

**Rated connection**

0.5...6

0.5...4 / 0.5...4

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 4-2/2AN	100	<b>1770370000</b>
ZDU 4-2/2AN BL	100	<b>1770840000</b>

Rated voltage is reduced to 400 V when using the cross-connector.

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP ZDU4-2		50	<b>1770400000</b>
ZAP ZDU4-2 BL		50	<b>1770880000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

The rated voltage is decreased to 250 V when using the shielding rail LS 2.8 (1056400000).

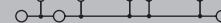
**ZDU 4-2/3AN**

**4 mm<sup>2</sup>**

Three connections



6.1 x 61.5 x 45.5  
**38 / 6**  
**0.13...6**



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3

A3 / V-0

KEMA97ATEX4677U

**Rated connection**

0.5...6

0.5...4 / 0.5...4

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZDU 4-2/3AN	100	<b>1770360000</b>
ZDU 4-2/3AN BL	100	<b>1770860000</b>

Rated voltage is reduced to 400 V when using the cross-connector.

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP ZDU4-2		50	<b>1770400000</b>
ZAP ZDU4-2 BL		50	<b>1770880000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZAD 1/4		20	<b>1609110000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

The rated voltage is reduced to 250 V on use of shield bus LS 2.8 (1056400000).



**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**



**ZDU 4-2/3AN LSC**

**4 mm<sup>2</sup>**

Three connections



**ZDU 4-2/4AN**

**4 mm<sup>2</sup>**

Four connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 61.5 x 45.5	
<b>38 / 6</b>	
<b>0.13...6</b>	

6.1 x 75.1 x 45.5	
<b>32 / 6</b>	
<b>0.13...6</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800			
32			
4			
	8 kV / 3		
	A3 / V-0		
CE			
<b>Rated connection</b>			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
The ZDU 4-2/3AN LSC version can be mounted on a 40 mm Lütze frame.			

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>	<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	550	32	33	35	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>				
	8 kV / 3						
	A3 / V-0						
CE  KEMA97ATEX4677U							
<b>Rated connection</b>							
0.5...6							
0.5...4 / 0.5...4							
10 / 0.6 x 3.5 mm							

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 4-2/3AN LSC	100	<b>1790520000</b>
ZDU 4-2/3AN LSC BL	100	<b>1804880000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
ZDU 4-2/4AN	100	<b>1806980000</b>
ZDU 4-2/4AN BL	100	<b>1806990000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Cover</b>	
	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP ZDU4-2		50	<b>1770400000</b>
ZAP ZDU4-2 BL		50	<b>1770880000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4/2 GE	32 A	60	<b>1608950000</b>
ZQV 4/10 GE	32 A	20	<b>1609030000</b>
ZAP ZDU4-2/4AN		50	<b>1807010000</b>
ZAP ZDU4-2/4AN BL		50	<b>1807020000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 6/ZA		25	<b>1780660000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
ZAD 1/4		20	<b>1609110000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

For detailed information on other accessories and application in the online catalogue

The rated voltage is reduced to 250 V on use of shield bus LS 2.8 (1056400000).

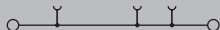
ZDU 6-2/2AN

6 mm<sup>2</sup>

Two connections



8.1 x 68 x 49.5  
41 / 10  
0.22...10



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	45	50	36
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
8 kV / 3			
A5 / V-0			

KEMA97ATEX4677U

Rated connection

0.5...10  
0.5...10 / 0.5...6  
12 / 0.6 x 3.5 mm, 0.8 x 4.0 mm

Type	Qty.	Order No.
ZDU 6-2/2AN	50	1771380000
ZDU 6-2/2AN BL	50	1771390000

Rated voltage is reduced to 400 V when using the cross-connector. 1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA		25	1780670000
SDIS SL 0.8X4.0X100		1	1274670000
ZAD 2/4		20	1609080000
DEK 5/8 MC NE WS	800		1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

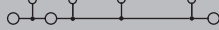
ZDU 6-2/3AN

6 mm<sup>2</sup>

Three connections



8.1 x 68 x 49.5  
41 / 10  
0.22...10



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
41	45	50	36
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
8 kV / 3			
A5 / V-0			

KEMA97ATEX4677U

Rated connection

0.5...10  
0.5...10 / 0.5...6  
12 / 0.6 x 3.5 mm, 0.8 x 4.0 mm

Type	Qty.	Order No.
ZDU 6-2/3AN	50	1771410000
ZDU 6-2/3AN BL	50	1771420000

Rated voltage is reduced to 400 V when using the cross-connector.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA		25	1780670000
SDIS SL 0.8X4.0X100		1	1274670000
ZAD 2/4		20	1609080000
DEK 5/8 MC NE WS	800		1856740000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

ZEI 16-2 / 1 AN

16 mm<sup>2</sup>

Supply terminal



14 x 61.5 x 50.5  
76 / 25  
1.5...25



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
76	65	65	
16	AWG 14...4	AWG 14...4	
6 kV / 3			
A7 / V-0			

Rated connection

1.5...10 / 16...25  
1.5...16 / 1.5...16  
18 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZEI 16-2/1AN	20	1772940000
ZEI 16-2/1AN BL	20	1772950000

End plate is integrated.

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZAP/Z...16-2/1AN		10	1772970000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
ZAD 2/4		20	1609080000
DEK 8 FSZ 1-10		500	1289660001

The plug-in cross-connections ZQV 2.5/... ZQV 4/... and ZQV 6/... can be used.



**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

Universal range

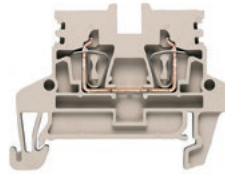
**A**



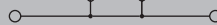
**ZDU 2.5N**

**2.5 mm<sup>2</sup>**

Two connections



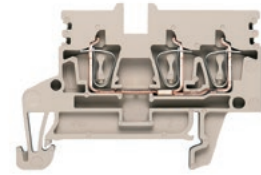
5.1 x 50.5 x 38.5  
**24 / 4**  
**0.05...4**



**ZDU 2.5N/3AN**

**2.5 mm<sup>2</sup>**

Three connections



5.1 x 56.5 x 38.5  
**24 / 4**  
**0.05...4**



Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1				II 2 G D			
IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
800	300	300	550	800	300	300	550
24	20	24	20.5	24	20	24	21.5
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>	2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
				6 kV / 3			
				A2 / V-0			
CE CB CB-UK ENE ENE ENE				KEMA06ATEX0271U			
Rated connection							
0.5...4 / 1.5...2.5							
0.5...2.5 / 0.5...1.5							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.							

IEC 60947-7-1				II 2 G D			
IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
800	300	300	550	800	300	300	550
24	20	24	21.5	24	20	24	21.5
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>	2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
				6 kV / 3			
				A2 / V-0			
CE CB CB-UK ENE ENE ENE				KEMA06ATEX0271U			
Rated connection							
0.5...4 / 1.5...2.5							
0.5...2.5 / 0.5...1.5							
10 / 0.6 x 3.5 mm							
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.							

**Ordering data**

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDU 2.5N	50	1933700000
ZDU 2.5N BL	50	1933710000

Type	Qty.	Order No.
ZDU 2.5N/3AN	50	1933720000
ZDU 2.5N/3AN BL	50	1933730000

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	Standard
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDU/ZPE 2.5N		20	1933790000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDU/ZPE 2.5N/3AN		50	1933800000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

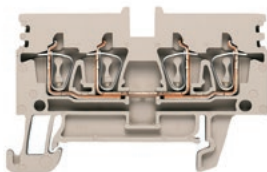
2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

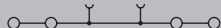
ZDU 2.5N/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 60 x 38.5  
24 / 4  
0.05...4



IEC 60947-7-1

II 2 G D

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	24	21
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>

6 kV / 3

A2 / V-0

CE

KEMA06ATEX0271U

**Rated connection**

0.5...4 / 1.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDU 2.5N/4AN	50	1933740000
ZDU 2.5N/4AN BL	50	1933750000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDU/ZPE 2.5N/4AN		50	1933810000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).



## Spring connection with tension clamp technology (Z-Series)

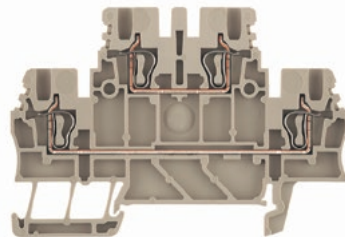
### Feed-through terminal blocks



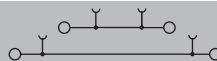
#### ZDK 1.5

1.5 mm<sup>2</sup>

Double-level terminal



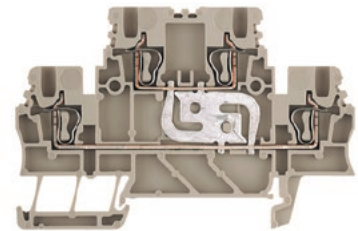
3.5 x 75.5 x 49.5  
17.5 / 1.5  
0.05...1.5



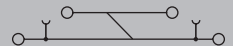
#### ZDK 1.5V

1.5 mm<sup>2</sup>

Vertically cross-connected double-level terminal



3.5 x 75.5 x 49.5  
17.5 / 1.5  
0.05...1.5



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

#### Ordering data

Version	
	dark beige
	blue
<b>Note</b>	

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	Standard
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Identification systems</b>	
<b>Cover</b>	
	With lightning flash symbol

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	600	
17.5	10	10	
1.5	AWG 28...16	AWG 28...16	
6 kV / 3			
B1 / V-0			

CE e-PA IEC

Rated connection	
0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.4 x 2.0 mm	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	600	
17.5	10	10	
1.5	AWG 28...16	AWG 28...16	
6 kV / 3			
B1 / V-0			

CE e-PA IEC

Rated connection	
0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.4 x 2.0 mm	

Type	Qty.	Order No.
ZDK 1.5	100	1791100000
ZDK 1.5 BL	100	1791110000

Type	Qty.	Order No.
ZDK 1.5V	100	1791130000
ZDK 1.5V BL	100	1791140000

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
<b>ZAP/TW ZDK1.5</b>			
ZAP/TW ZDK1.5		20	1791160000
ZAP/TW ZDK1.5 BL		20	1791170000
<b>ZEW 35</b>			
ZEW 35		20	9540000000
<b>ZTA 5</b>			
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
<b>SDS 0.4X2.0X60</b>			
SDS 0.4X2.0X60		1	9037160000
<b>ZRH 1.5S/1</b>			
ZRH 1.5S/1		500	1781950000
<b>DEK 5/3.5 MC NE WS</b>			
DEK 5/3.5 MC NE WS		500	1755270000
<b>DEK 5/3.5 MM WS</b>			
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
<b>ZAD 7/4</b>			
ZAD 7/4		20	1781940000

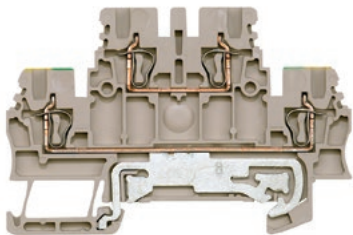
Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	1776120000
ZQV 1.5/10	17.5 A	20	1776200000
<b>ZAP/TW ZDK1.5</b>			
ZAP/TW ZDK1.5		20	1791160000
ZAP/TW ZDK1.5 BL		20	1791170000
<b>ZEW 35</b>			
ZEW 35		20	9540000000
<b>ZTA 5</b>			
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
<b>SDS 0.4X2.0X60</b>			
SDS 0.4X2.0X60		1	9037160000
<b>ZRH 1.5S/1</b>			
ZRH 1.5S/1		500	1781950000
<b>DEK 5/3.5 MC NE WS</b>			
DEK 5/3.5 MC NE WS		500	1755270000
<b>DEK 5/3.5 MM WS</b>			
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
<b>ZAD 7/4</b>			
ZAD 7/4		20	1781940000

For detailed information on other accessories and application in the online catalogue

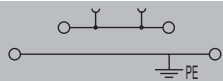
**ZDK 1.5 DU-PE**

**1.5 mm<sup>2</sup>**

Double-level terminal (DU-PE)



3.5 x 75.5 x 49.5  
**17.5 / 1.5**  
**0.05...1.5**



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
500	300		
17.5	10		
1.5	AWG 28...16	AWG 28...16	
6 kV / 3			
B1 / V-0			

CE

**Rated connection**

0.5...1.5  
0.5...1.5 / 0.5...1.5  
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZDK 1.5DU-PE	100	<b>1791120000</b>
Upper level: feed-through terminal Lower level: PE terminal		

Type	current	Qty.	Order No.
ZQV 1.5/2	17.5 A	60	<b>1776120000</b>
ZQV 1.5/10	17.5 A	20	<b>1776200000</b>
ZAP/TW ZDK1.5		20	<b>1791160000</b>
ZAP/TW ZDK1.5 BL		20	<b>1791170000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 5		25	<b>1776210000</b>
ZTA 5/ZA		25	<b>1776220000</b>
SDS 0.4X2.0X60		1	<b>9037160000</b>
ZRH 1.5S/1		500	<b>1781950000</b>
DEK 5/3.5 MC NE WS		500	<b>1755270000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>
ZAD 7/4		20	<b>1781940000</b>



**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

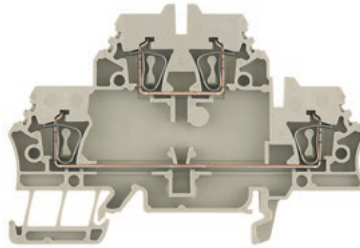
Universal range

A



**ZDK 2.5** **2.5 mm<sup>2</sup>**

Double-level terminal



5.1 x 79.5 x 53  
**20 / 2.5**  
**0.05...2.5**

IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	25	18
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A2 / V-0			

CE KEMA97ATEX4677U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	dark beige
	blue
Note	

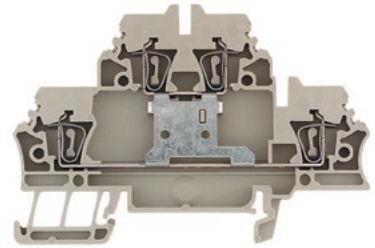
**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Test adapter	
	Standard
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Identification systems	
Cover	
	With lightning flash symbol

For detailed information on other accessories and application in the online catalogue

**ZDK 2.5 V** **2.5 mm<sup>2</sup>**

Vertically cross-connected double-level terminal



5.1 x 79.5 x 53  
**20 / 2.5**  
**0.05...2.5**

IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	440
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A2 / V-0			

CE KEMA97ATEX4677U

Rated connection
0.5...2.5
0.5...2.5 / 0.5...2.5
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5V	50	1689990000
ZDK 2.5V BL	50	1745880000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

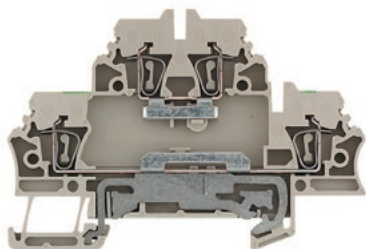
ZQV 2.5/1.5 (1720700000) connects the upper and lower layer.



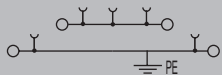
**ZDK 2.5 DU-PE**

**2.5 mm<sup>2</sup>**

Phase - PE conductor



5.1 x 79.5 x 53  
24 / 2.5  
0.05...2.5



IEC 60947-7-1 (-7-2) Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>

6 kV / 3  
A2 / V-0

CE KEMA97ATEX4677U

**Rated connection**

0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

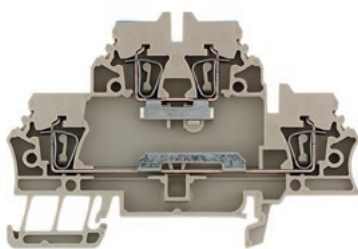
Type	Qty.	Order No.
ZDK 2.5DU-PE	50	1689970000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

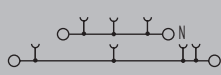
**ZDK 2.5 N-DU**

**2.5 mm<sup>2</sup>**

Neutral conductor - phase



5.1 x 79.5 x 53  
23 / 2.5  
0.05...2.5



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>

6 kV / 3  
A2 / V-0

CE KEMA97ATEX4677U

**Rated connection**

0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5N-DU	50	1689960000

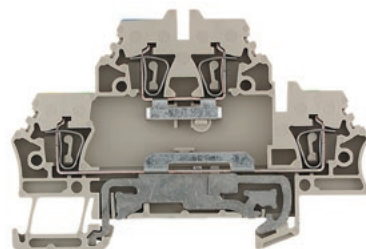
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZQV 2.5/1.5 (1720700000) connects the upper and lower layer.

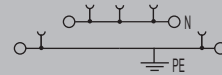
**ZDK 2.5 N-PE**

**2.5 mm<sup>2</sup>**

Neutral & PE conductor



5.1 x 79.5 x 53  
24 / 2.5  
0.05...2.5



IEC 60947-7-1 (-7-2) Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	10	20
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>

6 kV / 3  
A2 / V-0

CE KEMA97ATEX4677U

**Rated connection**

0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5N-PE	50	1689980000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZAP/TW ZDK2.5 BL		20	1748800000
ZEW 35		20	9540000000
ZTA ZDK 2.5		5	1052660000
ZTA ZDK 2.5/ZA		5	1052680000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000



## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks



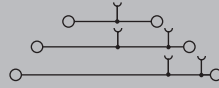
#### ZLDL 2.5-2 N

2.5 mm<sup>2</sup>

Three levels



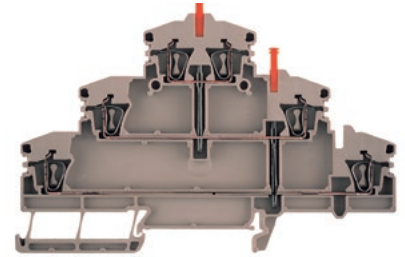
5.1 x 110.5 x 69  
20 / 2.5  
0.08...2.5



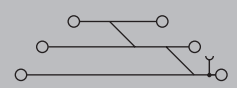
#### ZLDL 2.5-2 VN

2.5 mm<sup>2</sup>

Vertically cross-connected multi-level terminal



5.1 x 110.5 x 69  
20 / 2.5  
0.08...2.5



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE ENEC UL

#### Rated connection

0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE ENEC UL

#### Rated connection

0.5...2.5
0.5...2.5 / 0.5...1.5
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZLDL 2.5-2N	50	1782300000
ZLDL 2.5-2N BL	50	1782310000

Type	Qty.	Order No.
ZLDL 2.5-2VN	25	1782320000
ZLDL 2.5-2VN BL	25	1782330000

#### Accessories

Vertical jumpers	
	1-pole
Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
	With "swifty set" cutting device
Reducing sleeves	
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
Identification systems	

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZLDL2.5-2N		20	1782340000
ZAP/TW ZLDL2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

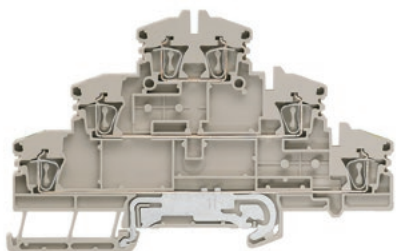
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZLDL2.5-2N		20	1782340000
ZAP/TW ZLDL2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

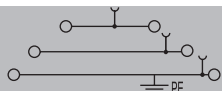
ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.

ZDLD 2.5-2 N PE/L/L

2.5 mm<sup>2</sup>



5.1 x 110.5 x 69  
/ 2.5  
0.08...2.5



IEC	UL	CSA	EN 60079-7
500	150	150	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			



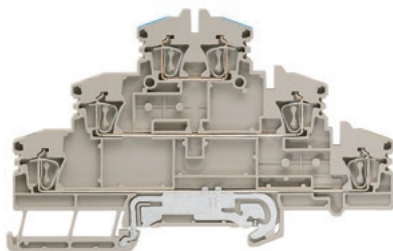
Rated connection

0.5...2.5  
0.5...2.5 / 0.5...1.5  
10 / 0.6 x 3.5 mm

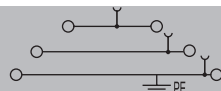
Type	Qty.	Order No.
ZDLD 2.5-2N/PE/L/L	50	1131750000

ZDLD 2.5-2 N PE/L/N

2.5 mm<sup>2</sup>



5.1 x 110.5 x 69  
/ 2.5  
0.08...2.5



IEC	UL	CSA	EN 60079-7
500	150	150	
20	15	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			



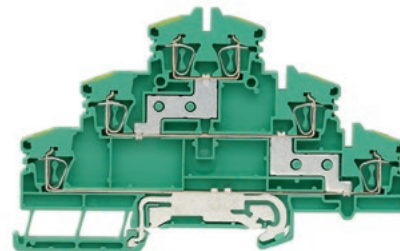
Rated connection

0.5...2.5  
0.5...2.5 / 0.5...1.5  
10 / 0.6 x 3.5 mm

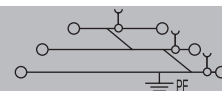
Type	Qty.	Order No.
ZDLD 2.5-2N/PE/L/N	50	1131760000

ZDLD 2.5-2 N PE

2.5 mm<sup>2</sup>



5.1 x 110.5 x 69



IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	
/ V-0			



Rated connection

Type	Qty.	Order No.
ZDLD 2.5-2N PE	50	1131740000

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDLD2.5-2N		20	1782340000
ZAP/TW ZDLD2.5-2N BL		20	1782350000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
SWIFTY SET		1	9006060000
ZRH 1.5H/2		1000	1678800000
ZRH 1.5H/1		1000	1678810000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

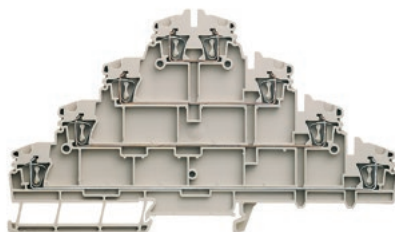


## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks

ZVLD 2.5

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 148 x 85  
/ 2.5  
0.14...2.5



#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
20			
2.5			
		6 kV / 3	
		A2 / V-0	
EH			
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

Note

#### Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
ZVLD 2.5	50	1208920000

#### Accessories

Vertical jumpers	1-pole
Pluggable cross-connection	2-pole 10-pole
End plate / Partition plate	dark beige
End bracket	dark beige
Test adapter	Standard With spigot
Identification systems	

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP ZVLD 2.5		10	1210410000
ZEW 35/2		20	8630740000
ZTA ZVLD		10	1210390000
ZTA ZVLD/ZA		50	1271870000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

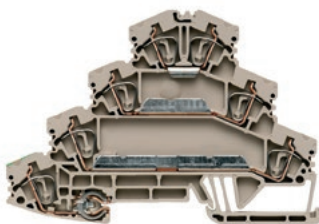
For detailed information on other accessories and application in the online catalogue



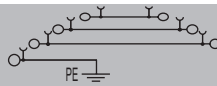
**ZMAK 2.5**

2.5 mm<sup>2</sup>

Motor-supply terminal



5.1 x 102 x 69.5  
**31 / 4**  
**0.13...4**



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige
Note	

**Accessories**

End plate / Partition plate	
	dark beige
End bracket	dark beige
Screwdriver	Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
Test adapter	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

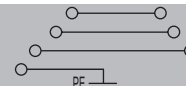
**ZMAK 2.5 690 V**

2.5 mm<sup>2</sup>

Motor-supply terminal



6.1 x 102 x 69.5  
**31 / 4**  
**0.13...4**



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
400	300	300	
24	25	25	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			
CE ENEC IEC VDE UL			
Rated connection			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			

Type	Qty.	Order No.
ZMAK 2.5 690V	25	1027550000
The ZMAK 2.5 690 V: with pre-assembled end plate and a width of 6.1 mm!		

Type	current	Qty.	Order No.
ZAP ZMAK2.5		10	1768010000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZTA 1		25	1609040000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue



## Spring connection with tension clamp technology (Z-Series)

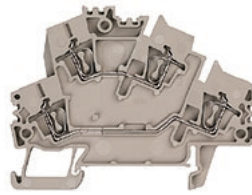
### Feed-through terminal blocks



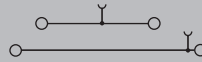
#### ZDK 2.5-2

2.5 mm<sup>2</sup>

Double-level terminal



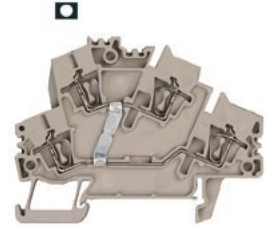
5.1 x 72.5 x 54.5  
24 / 4  
0.05...4



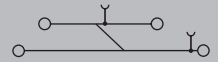
#### ZDK 2.5-2V

2.5 mm<sup>2</sup>

Vertical cross-connected double-level terminal



5.1 x 72.5 x 54.5  
24 / 4  
0.05...4



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	
	dark beige
	blue
Note	

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

IEC 60947-7-1 II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
24	20	25	20
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			

CE ENEC IEC KEMA KEMA97ATEX4677U

Rated connection	
	0.5...4
	0.5...2.5 / 0.5...2.5
	10 / 0.6 x 3.5 mm
Note	
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Type	Qty.	Order No.
ZDK 2.5-2	50	1790990000
ZDK 2.5-2 BL	50	1791000000
Note		
Rated voltage is reduced to 400 V when using the cross-connector.		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5-2		20	1791050000
ZAP/TW ZDK2.5-2 BL		20	1791060000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

IEC 60947-7-1 II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	300	550
24	20	25	22
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			

CE ENEC IEC KEMA KEMA97ATEX4677U

Rated connection	
	0.5...4
	0.5...2.5 / 0.5...2.5
	10 / 0.6 x 3.5 mm
Note	
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Type	Qty.	Order No.
ZDK 2.5-2V	50	1791030000
ZDK 2.5-2V BL	50	1791040000
Note		
Rated voltage is reduced to 400 V when using the cross-connector.		

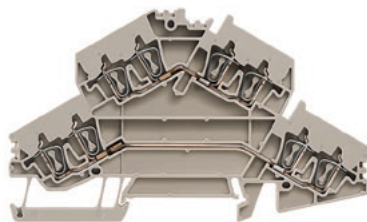
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5-2		20	1791050000
ZAP/TW ZDK2.5-2 BL		20	1791060000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

**ZDK 2.5-2/4**

**2.5 mm<sup>2</sup>**

Double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 104 x 62	
<b>26 / 4</b>	
<b>0.05...4</b>	

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
800	600	600	
22	20	20	
2.5	AWG 30...12	AWG 30...12	
8 kV / 3			
A2 / V-0			
Rated connection			
0.5...4 / 1.5...2.5			
0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> conductor with wire-end ferrules and plastic collar, with the collar optimised for diameter only (Order No. 1333100000 + 9004080000).			

**Ordering data**

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDK 2.5-2/4AN	50	1394040000
ZDK 2.5-2/4AN BL	50	1480270000

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5-2/4AN		20	1394050000
ZEW 35		20	9540000000
ZTA ZT2.5/ZA		25	1847600000
SDS 0.6X3.5X100		1	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 1/4-2 GE		20	1764560000
SNAPMARK I		50	1805880000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue



## Spring connection with tension clamp technology (Z-Series)

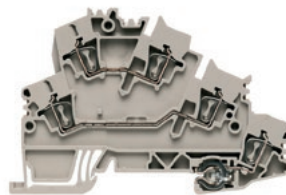
### Feed-through terminal blocks



#### ZDKPE 2.5-2

2.5 mm<sup>2</sup>

Double-tier terminal with one-sided PE connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 89.5 x 59.5	
<b>24 / 4</b>	
<b>0.05...4</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	300	
24	20	25	
2.5	AWG 26...12	AWG 30...12	
8 kV / 3			
A2 / V-0			
Rated connection			
0.5...4			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

#### Ordering data

Version	dark beige
Note	

#### Accessories

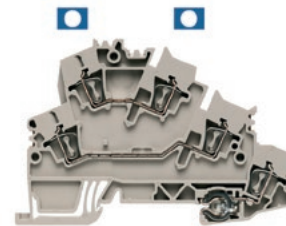
Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
	With "swifty set" cutting device
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

For detailed information on other accessories and application in the online catalogue

#### ZDKPE 2.5-2/N/L/PE

2.5 mm<sup>2</sup>

Double-tier terminal with one-sided PE connection



5.1 x 89.5 x 59.5	
<b>24 / 4</b>	
<b>0.05...4</b>	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600		
24	20		
2.5	AWG 26...12		
8 kV / 3			
A2 / V-0			
Rated connection			
0.5...4			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZDKPE 2.5-2/N/L/PE	50	<b>1895700000</b>
Rated voltage is reduced to 400 V when using the cross-connector.		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZAP/TW ZDKPE2.5-2		25	<b>1805960000</b>
ZEW 35		20	<b>9540000000</b>
ZTA 4		25	<b>1688110000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
SWIFTY SET		1	<b>9006060000</b>
ZRH 1.5H/1		1000	<b>1678810000</b>
ZRH 1.5H/2		1000	<b>1678800000</b>
ZAD 1/4-2 GE		20	<b>1764560000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue



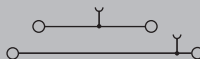
ZDK 4-2

4 mm<sup>2</sup>

Double-level terminal



6.1 x 77.6 x 60  
32 / 6  
0.13...6



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	dark beige
	blue
Note	

Accessories

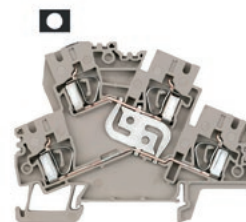
Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Cover	
	With lightning flash symbol
Identification systems	

For detailed information on other accessories and application in the online catalogue

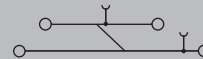
ZDK 4-2 V

4 mm<sup>2</sup>

Vertical cross-connected double-level terminal



6.1 x 77.6 x 60  
32 / 6  
0.13...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
32	25	30	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A3 / V-0			

CE

Rated connection	
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5 mm	

Note

Type	Qty.	Order No.
ZDK 4-2 V	50	8671080000
Note		

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW ZDK4-2		50	8670760000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZAD 1/4		20	1609110000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue



## Spring connection with tension clamp technology (Z-Series)

### Feed-through terminal blocks



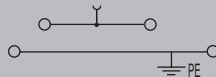
#### ZDK 4-2 DU/PE

4 mm<sup>2</sup>

Phase - PE conductor



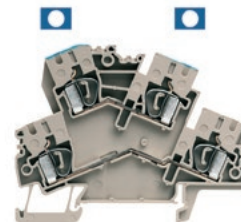
6.1 x 77.6 x 60  
32 / 6  
0.13...6



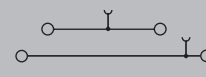
#### ZDK 4-2/N/L

4 mm<sup>2</sup>

Double-level terminal



6.1 x 77.6 x 60  
32 / 6  
0.13...6



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
32	25	30	
4	AWG 26...10	AWG 26...10	
8 kV / 3			
A3 / V-0			
<b>Rated connection</b>			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
32	25		
4	AWG 26...10		
8 kV / 3			
A3 / V-0			
<b>Rated connection</b>			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

#### Ordering data

Version	
	dark beige
	blue
<b>Note</b>	

Type	Qty.	Order No.
ZDK 4-2/DU-PE	50	8671120000
<b>Note</b>		

Type	Qty.	Order No.
ZDK 4-2/N/L	50	1905170000
Upper level printed blue		

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Cover	
	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW ZDK4-2		50	8670760000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZAD 1/4		20	1609110000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW ZDK4-2		50	8670760000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZAD 1/4		20	1609110000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

ZDK 4-2/2AN

4 mm<sup>2</sup>

Double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 78 x 60	
/ 6	
0.13...6	

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC	UL	CSA	EN 60079-7
800			
32			
4	AWG 26...10		
		/ 3	
		A3 / V-0	
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			

Note

### Ordering data

Version	
	dark beige
Note	

Type	Qty.	Order No.
ZDK 4-2/2AN	50	1119700000

### Accessories

Cover	With lightning flash symbol
End bracket	dark beige
Test adapter	With spigot
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
ZAD 1/4		20	1609110000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000

For detailed information on other accessories and application in the online catalogue



**Spring connection with tension clamp technology (Z-Series)**  
**Feed-through terminal blocks**

Universal range

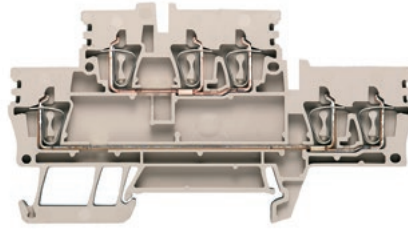
A



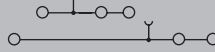
**ZDK 2.5/3AN**

**2.5 mm<sup>2</sup>**

Double-level terminal



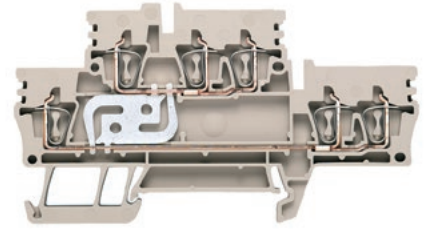
5.1 x 93 x 50.5  
**24 / 4**  
**0.05...4**



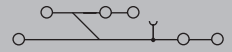
**ZDK 2.5/3AN V**

**2.5 mm<sup>2</sup>**

Vertical cross-connected double-level terminal



5.1 x 93 x 50.5  
**24 / 4**  
**0.05...4**



Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige
	blue
Note	

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Test adapter	
	Standard
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	
	With lightning flash symbol
Identification systems	

IEC 60947-7-1 II 2 G D

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	24	21
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE     KEMA06ATEX0271U			
Rated connection			
0.5...4 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZDK 2.5/3AN	50	1924510000
ZDK 2.5/3AN BL	50	1924500000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK 2.5/3AN		20	1924910000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
SNAPMARK I		50	1805880000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

IEC 60947-7-1 II 2 G D

IEC	UL	CSA	EN 60079-7
800	300	300	550
24	20	24	21
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
CE     KEMA06ATEX0271U			
Rated connection			
0.5...4 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZDK 2.5/3AN V	50	1924490000
ZDK 2.5/3AN V BL	50	1924480000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK 2.5/3AN		20	1924910000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
SNAPMARK I		50	1805880000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

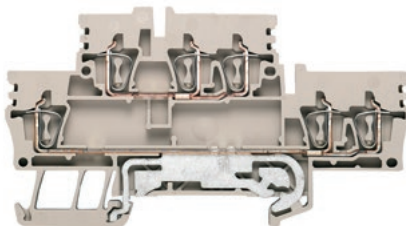
2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

For detailed information on other accessories and application in the online catalogue

**ZDK 2.5/3AN DU-PE**

**2.5 mm<sup>2</sup>**

Double-level terminal (DU-PE)



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 93 x 50.5	
<b>31 / 4</b>	
<b>0.05...4</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1 (-7-2)		II 2 G D	
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	300	300	550
24	20	24	21
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
8 kV / 3			
A2 / V-0			
		KEMA06ATEX0271U	
<b>Rated connection</b>			
0.5...4 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
<b>Note</b>			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

**Ordering data**

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
ZDK 2.5/3AN DU-PE	50	1924460000

**Accessories**

<b>Pluggable cross-connection</b>	2-pole 10-pole
<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	Standard With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK 2.5/3AN		20	1924910000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
SNAPMARK I		50	1805880000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).



# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

Universal range

A

### ZPEA 2.5-2

2.5 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 35 x 30	
/ 4	
0.13...4	

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2      Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
500			
6			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			

CE

Rated connection	
0.5...4	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

TS 15 - sliced construction

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige beige
<b>Test adapter</b>	Standard With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20
<b>Identification systems</b>	

Type	Qty.	Order No.
ZPEA 2.5-2	100	1720950000

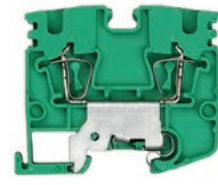
Type	current	Qty.	Order No.
ZAP/TW ZDUA		50	1720960000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

### ZPEA 2.5-2N

2.5 mm<sup>2</sup>

Two connections



5.1 x 42.5 x 35	
/ 4	
0.13...4	

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			

CE

Rated connection	
0.5...4	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

TS 15 - sliced construction

Type	Qty.	Order No.
ZPEA 2.5-2N	100	1808210000

Type	current	Qty.	Order No.
ZAP/TW ZDUA2.5-2N		50	1808170000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

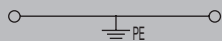
ZPEB 2.5-2

2.5 mm<sup>2</sup>

Two connections



5.1 x 33.5 x 31  
/ 4  
0.13...4



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			

CE

**Rated connection**

0.5...4  
0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

TS 15 - block construction

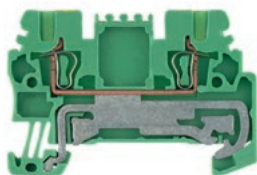
Type	Qty.	Order No.
ZPEB 2.5-2	100	1712810000

Type	current	Qty.	Order No.
ZAP ZDUB		50	1704750000
ZEW 15		20	7920340000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

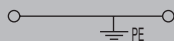
ZPE 1.5

1.5 mm<sup>2</sup>

Two connections



3.5 x 54.5 x 36.5  
/ 1.5  
0.05...1.5



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
500			
6			
180 A (1.5 mm <sup>2</sup> )			
3			
B1 / V-0			

CE

**Rated connection**

0.5...1.5  
0.5...1.5 / 0.5...1.5  
0.5...0.75  
10 / 0.4 x 2.0 mm

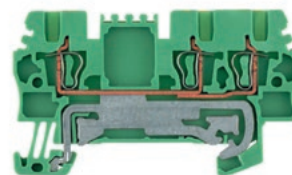
Type	Qty.	Order No.
ZPE 1.5	100	1775510000

Type	current	Qty.	Order No.
ZAP/TW ZDU1.5/2AN		20	1776030000
ZEW 35		20	9540000000
ZTA 5	25		1776210000
ZTA 5/ZA	25		1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
DEK 5/3.5 MC NE WS	500		1755270000
WS 12/3.5 MC NE WS	600		1778270000
DEK 5/3.5 MM WS	1000		2007100000
WS 8/3.5 MM WS	1000		2007140000

ZPE 1.5/3AN

1.5 mm<sup>2</sup>

Three connections



3.5 x 63 x 36.5  
/ 1.5  
0.05...1.5



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
500			
6			
180 A (1.5 mm <sup>2</sup> )			
3			
B1 / V-0			

CE

**Rated connection**

0.5...1.5  
0.5...1.5 / 0.5...1.5  
0.5...0.75  
10 / 0.4 x 2.0 mm

Type	Qty.	Order No.
ZPE 1.5/3AN	100	1775560000

Type	current	Qty.	Order No.
ZAP/TW ZDU1.5/3AN		20	1776060000
ZEW 35		20	9540000000
ZTA 5	25		1776210000
ZTA 5/ZA	25		1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
DEK 5/3.5 MC NE WS	500		1755270000
WS 12/3.5 MC NE WS	600		1778270000
DEK 5/3.5 MM WS	1000		2007100000
WS 8/3.5 MM WS	1000		2007140000



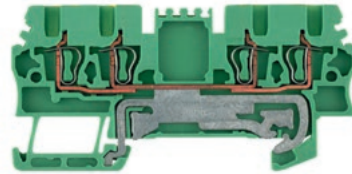
## Spring connection with tension clamp technology (Z-Series)

### PE terminal blocks

#### ZPE 1.5/4AN

1.5 mm<sup>2</sup>

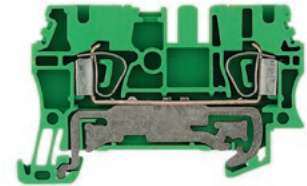
Four connections



#### ZPE 2.5

2.5 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 75.5 x 36.5	
/ 1.5	
0.05...1.5	

5.1 x 63 x 38.5	
/ 4	
0.05...4	

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1.5	AWG 26...14	AWG 26...12	1.5 mm <sup>2</sup>
500			
6			
	180 A (1.5 mm <sup>2</sup> )		
	3		
	B1 / V-0		
CE			
<b>Rated connection</b>			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
0.5...0.75			
10 / 0.4 x 2.0 mm			
<b>Note</b>			

IEC 60947-7-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A3 / V-0		
CE			
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
<b>Note</b>			

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
ZPE 1.5/4AN	100	1775620000

Type	Qty.	Order No.
ZPE 2.5	100	1608640000

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	Standard With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZAP/TW ZDU1.5/4AN		20	1776090000
ZEW 35		20	9540000000
ZTA 5		25	1776210000
ZTA 5/ZA		25	1776220000
SDS 0.4X2.0X60		1	9037160000
ZRH 1.5S/1		500	1781950000
DEK 5/3.5 MC NE WS		500	1755270000
WS 12/3.5 MC NE WS		600	1778270000
DEK 5/3.5 MM WS		1000	2007110000
WS 8/3.5 MM WS		1000	2007140000

Type	current	Qty.	Order No.
ZAP/TW 1		50	1608740000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue



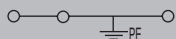
ZPE 2.5/3AN

2.5 mm<sup>2</sup>

Three connections



5.1 x 64.5 x 38.5  
/ 4  
0.05...4



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

**Rated connection**  
0.5...4  
0.5...4 / 0.5...2.5

10 / 0.6 x 3.5 mm

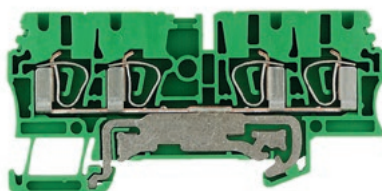
Type	Qty.	Order No.
ZPE 2.5/3AN	100	1608650000

Type	current	Qty.	Order No.
ZAP/TW 2 DB		50	1608770000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPE 2.5/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 79.5 x 38.5  
/ 4  
0.05...4



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

**Rated connection**  
0.5...4  
0.5...4 / 0.5...2.5

10 / 0.6 x 3.5 mm

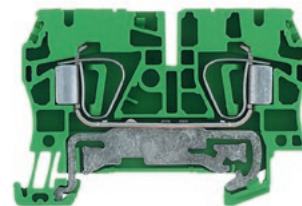
Type	Qty.	Order No.
ZPE 2.5/4AN	100	1608660000

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZEW 35		20	9540000000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 2.5/1 WS		1000	1614300000
ZRH 2.5/2 GR/V0		1000	1614290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

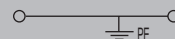
ZPE 4

4 mm<sup>2</sup>

Two connections



6.1 x 64 x 43  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

CE

**Rated connection**  
0.5...6 / 1.5...6  
0.5...6 / 0.5...4

12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4	100	1632080000

Type	current	Qty.	Order No.
ZAP/TW 4		50	1632090000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000



# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

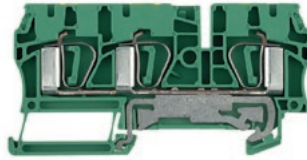
Universal range

A

### ZPE 4/3 AN

4 mm<sup>2</sup>

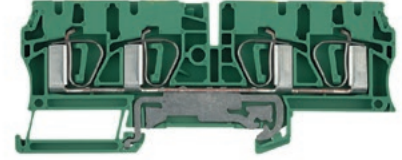
Three connections



### ZPE 4/4 AN

4 mm<sup>2</sup>

Four connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 85.5 x 43	
/ 6	
0.13...6	

6.1 x 104.5 x 43	
/ 6	
0.13...6	

### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-2	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
	480 A (4 mm <sup>2</sup> )		
	3		
	A4 / V-0		
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			
Note			

IEC 60947-7-2	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
	480 A (4 mm <sup>2</sup> )		
	3		
	A4 / V-0		
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...4			
12 / 0.6 x 3.5 mm			
Note			

### Ordering data

Version	green/yellow
Note	

Type	Qty.	Order No.
ZPE 4/3AN	50	7904170000
Note		

Type	Qty.	Order No.
ZPE 4/4AN	50	7904280000
Note		

### Accessories

End plate / Partition plate	dark beige
End bracket	dark beige
Test adapter	Standard With spigot
Screwdriver	Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
Identification systems	

Type	current	Qty.	Order No.
ZAP/TW 4/3AN		20	7904100000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Type	current	Qty.	Order No.
ZAP/TW4/4AN		20	7904210000
ZEW 35		20	9540000000
ZTA 2 ZDU4		25	1609060000
ZTA 2/ZA ZDU4		25	1609070000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

ZPE 6

6 mm<sup>2</sup>

Two connections



8.1 x 65 x 45  
/ 10  
0.22...10



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
800			
8			
720 A (6 mm <sup>2</sup> )			
3			
A5 / V-0			

CE

**Rated connection**

0.5...10 / 1.5...10  
0.5...10 / 0.5..6

13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 6	50	1608670000

Type	current	Qty.	Order No.
ZAP/TW 5		50	1608830000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

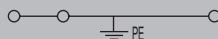
ZPE 6/3 AN

6 mm<sup>2</sup>

Three connections



8.1 x 90 x 45  
/ 10  
0.22...10



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
800			
8			
720 A (6 mm <sup>2</sup> )			
3			
A5 / V-0			

CE

**Rated connection**

0.5...10 / 1.5...10  
0.5...10 / 0.5..6

13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 6/3AN	50	7907400000

Type	current	Qty.	Order No.
ZAP/TW6/3AN		20	7907370000
ZEW 35		20	9540000000
ZTA 3 ZDU6		25	1654050000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000



## Spring connection with tension clamp technology (Z-Series)

### PE terminal blocks



#### ZPE 10

10 mm<sup>2</sup>

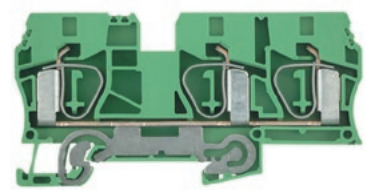
Two connections



#### ZPE 10/3 AN

10 mm<sup>2</sup>

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

10.1 x 73.5 x 49.5	
/ 16	
1.31...16	

10.1 x 99 x 49.5	
/ 16	
1.31...16	

#### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 16...6	10 mm <sup>2</sup>
800			
8			
1200 A (10 mm <sup>2</sup> )			
3			
A6 / V-0			

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 16...6	10 mm <sup>2</sup>
800			
8			
1200 A (10 mm <sup>2</sup> )			
3			
A6 / V-0			

CE

Rated connection	
1.5...16 / 1.5...16	
1.5...10 / 1.5...10	
18 / 1.0 x 5.5 mm	

CE

Rated connection	
1.5...16 / 1.5...16	
1.5...10 / 1.5...10	
18 / 1.0 x 5.5 mm	

#### Note

#### Ordering data

Version	
	green/yellow
Note	

Type	Qty.	Order No.
ZPE 10	25	1746770000

Type	Qty.	Order No.
ZPE 10/3AN	20	1767670000

#### Accessories

End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZAP/TW ZDU10		20	1748660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6 MC NE WS		600	1609900000

Type	current	Qty.	Order No.
ZAP/TW 10/16		20	1749580000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6 MC NE WS		600	1609900000

For detailed information on other accessories and application in the online catalogue

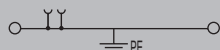
ZPE 16

16 mm<sup>2</sup>

Two connections



12.1 x 82.5 x 50.5  
/ 25  
1.5...25



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...6	AWG 14...4	16 mm <sup>2</sup>
800			
8			
1920 A (16 mm <sup>2</sup> )			
3			
A7 / V-0			

CE

Rated connection

1.5...16 / 1.5...25  
1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

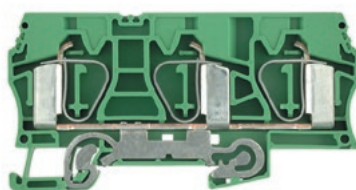
Type	Qty.	Order No.
ZPE 16	25	1745250000

Type	current	Qty.	Order No.
ZAP/TW ZDU16		20	1745150000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS	1000		1609801044
WS 15/5 MC NE WS	480		1609880000

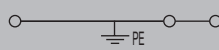
ZPE 16/3AN

16 mm<sup>2</sup>

Three connections



12.1 x 99 x 50.5  
/ 25  
1.5...25



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 14...4	16 mm <sup>2</sup>
800			
8			
1920 A (16 mm <sup>2</sup> )			
3			
A7 / V-0			

CE

Rated connection

1.5...16 / 1.5...25  
1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

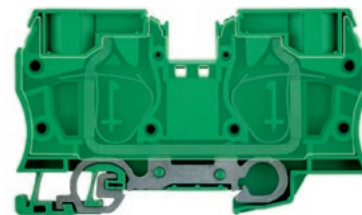
Type	Qty.	Order No.
ZPE 16/3AN	20	1768310000

Type	current	Qty.	Order No.
ZAP/TW 10/16		20	1749580000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS	1000		1609801044
WS 15/5 MC NE WS	480		1609880000

ZPE 35

35 mm<sup>2</sup>

Two connections



16 x 100.5 x 58.5  
/ 35  
2.5...35



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
800			
8			
4200 A (35 mm <sup>2</sup> )			
3			
A8 / V-0			

CE

Rated connection

2.5...16 / 2.5...35  
2.5...35 / 2.5...35

25 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 35	10	1739650000
Integrated end plate.		

Type	current	Qty.	Order No.
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS	1000		1609801044
WS 15/5 MC NE WS	480		1609880000

The plug-in cross-connections ZDV 16/2 (1739690000) can be used.

The plug-in cross-connections ZDV 35/2 (1739700000) can be used.



Spring connection with tension clamp technology (Z-Series)  
PE terminal blocks

Universal range

A



ZPE 2.5-2 2.5 mm<sup>2</sup>

Two connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 50.5 x 43.5
/ 4
0.13...4

Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Identification systems</b>	

Type	Qty.	Order No.
ZPE 2.5-2	100	1772090000

Type	current	Qty.	Order No.
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZPE 2.5-2/3AN 2.5 mm<sup>2</sup>

Three connections



5.1 x 50.5 x 43.5
/ 4
0.13...4

IEC 60947-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5	AWG 26...12	AWG 26...14	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			
<b>Rated connection</b>			
0.5...4			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZPE 2.5-2/3AN	100	1706090000

Type	current	Qty.	Order No.
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC SDR		200	1609810000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZPE 2.5-2/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 50.5 x 43.5  
/ 4  
0.13...4



IEC 60947-7-2

Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...14	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			

CE ENEC Ex KEUR VDE

Rated connection

0.5...4  
0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZPE 2.5-2/4AN	100	1706110000

Type	current	Qty.	Order No.
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPE 4-2/2AN

4 mm<sup>2</sup>

Two connections



6.1 x 61.5 x 45.5  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

CE ENEC Ex KEUR VDE

Rated connection

0.5...6  
0.5...4 / 0.5...4

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4-2/2AN	100	1770380000

Type	current	Qty.	Order No.
ZAP ZDU4-2		50	1770400000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

ZPE 4-2/3AN

4 mm<sup>2</sup>

Three connections



6.1 x 61.5 x 45.5  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

CE ENEC Ex KEUR VDE

Rated connection

0.5...6  
0.5...4 / 0.5...4

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 4-2/3AN	100	1770390000

Type	current	Qty.	Order No.
ZAP ZDU4-2		50	1770400000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 4/1 WS		1000	1636640000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000



Spring connection with tension clamp technology (Z-Series)  
PE terminal blocks

Universal range

A

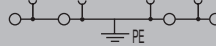
**ZPE 4-2/4 AN**

**4 mm<sup>2</sup>**

Four connections



6.1 x 75 x 45.5  
/ 6  
**0.13...6**



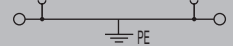
**ZPE 6-2/2AN**

**6 mm<sup>2</sup>**

Two connections



8.1 x 68 x 49.19  
/ 10  
**0.22...10**



Width/Height/Depth mm  
max. current / max. cond. cross-section -/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
<b>Note</b>	

**Ordering data**

Version	
	green/yellow
<b>Note</b>	

**Accessories**

End plate / Partition plate	
End bracket	dark beige
Test adapter	dark beige
Screwdriver	With spigot
Reducing sleeves	Standard
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Identification systems	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

Rated connection	
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5 mm	
<b>Note</b>	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
800			
8			
720 A (6 mm <sup>2</sup> )			
3			
A5 / V-0			

CE

Rated connection	
0.5...10	
0.5...10 / 0.5...6	
12 / 0.6 x 3.5 mm	
<b>Note</b>	

For detailed information on other accessories and application in the online catalogue



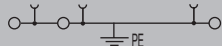
**ZPE 6-2/3AN**

**6 mm<sup>2</sup>**

Three connections



8.1 x 68 x 49.19  
/ 10  
0.22...10



IEC 60947-7-2

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
6	AWG 22...8	AWG 20...8	6 mm <sup>2</sup>
800			
8			
	720 A (6 mm <sup>2</sup> )		
	3		
	A5 / V-0		



**Rated connection**

0.5...10  
0.5...10 / 0.5...6

12 / 0.6 x 3.5 mm

Type	Qty.	Order No.
ZPE 6-2/3AN	50	1771360000

Type	current	Qty.	Order No.
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
ZTA 7/ZA		25	1780670000
SDIS SL 0.8X4.0X100		1	1274670000
DEK 5/8 MC NE WS	800		1856740000
DEK 5/8 MM WS	500		2007130000
WS 8/8 MM WS	500		2007170000

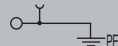
**ZPE 16-2/1AN**

**16 mm<sup>2</sup>**

Supply terminal - PE



12 x 65 x 50.5  
/ 25  
1.5...25



In accordance with IEC 60947-7-1, IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 26...14	
800			
8			
	1920 A (16 mm <sup>2</sup> )		
	3		
	A7 / V-0		



**Rated connection**

1.5...10 / 16...25  
1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.

Type	Qty.	Order No.
ZPE 16-2/1AN	20	1772960000

Type	current	Qty.	Order No.
ZAP/Z...16-2/1AN		10	1772970000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/8 MC NE WS	800		1856740000

The plug-in cross-connections ZQV 2.5/... ZQV 4/... and ZQV 6/... can be used.



# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

Universal range

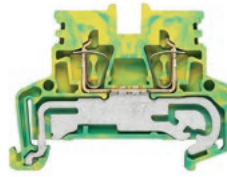
A



### ZPE 2.5N

2.5 mm<sup>2</sup>

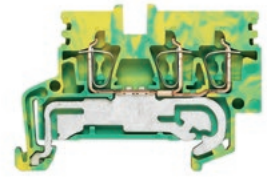
Two connections



### ZPE 2.5N/3AN

2.5 mm<sup>2</sup>

Three connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 50.5 x 38.5
/ 4
0.05...4

5.1 x 56.5 x 38.5
/ 4
0.05...4

### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-2				II 2 G D	
IEC	UL	CSA	EN 60079-7		
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>		
800					
6					
			300 A (2.5 mm <sup>2</sup> )		
			3		
			A2 / V-0		
CE					
Rated connection					
0.5...4 / 1.5...2.5					
0.5...2.5 / 0.5...1.5					
10 / 0.6 x 3.5 mm					
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.					

IEC 60947-2				II 2 G D	
IEC	UL	CSA	EN 60079-7		
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>		
800					
6					
			300 A (2.5 mm <sup>2</sup> )		
			3		
			A2 / V-0		
CE					
Rated connection					
0.5...4 / 1.5...2.5					
0.5...2.5 / 0.5...1.5					
10 / 0.6 x 3.5 mm					
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.					

### Ordering data

Version	
	green/yellow
Note	

Type	Qty.	Order No.
ZPE 2.5N	50	1933760000

Type	Qty.	Order No.
ZPE 2.5N/3AN	50	1933770000

### Accessories

Accessories	
End plate / Partition plate	dark beige
End bracket	dark beige
Test adapter	Standard With spigot
Screwdriver	Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
Identification systems	

Type	current	Qty.	Order No.
ZAP/TW ZDU/ZPE 2.5N		20	1933790000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZAP/TW ZDU/ZPE 2.5N/3AN		50	1933800000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

ZPE 2.5N/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 60 x 38.5  
/ 4  
0.05...4



IEC 60947-7-2

II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
800			
6			
300 A (2.5 mm <sup>2</sup> )			
3			
A2 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...2.5

0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZPE 2.5N/4AN	50	1933780000

Type	current	Qty.	Order No.
ZAP/TW ZDU/ZPE 2.5N/4AN		50	1933810000
ZEW 35		20	9540000000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).



# Spring connection with tension clamp technology (Z-Series)

## PE terminal blocks

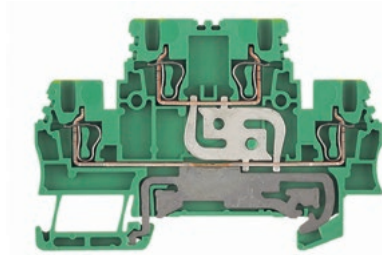
Universal range

A

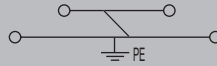
### ZDK 1.5 PE

1.5 mm<sup>2</sup>

Double-level terminal



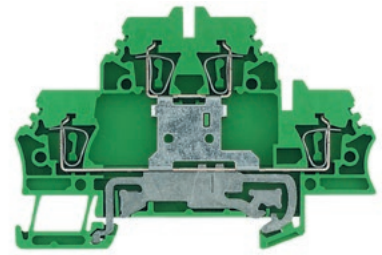
3.5 x 75.5 x 49.5  
/ 1.5  
0.05...1.5



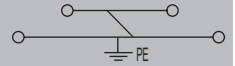
### ZDK 2.5 PE

2.5 mm<sup>2</sup>

Vertically cross-connected



5.1 x 79.5 x 53  
/ 2.5  
0.05...2.5



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	
	green/yellow
Note	

#### Accessories

Accessories	
End plate / Partition plate	dark beige
End bracket	dark beige
Test adapter	With spigot Standard
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
Cover	With lightning flash symbol
Screwdriver	Standard
Identification systems	

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
1.5	AWG 28...16	AWG 28...16	
500			
6			
	180 A (1.5 mm <sup>2</sup> )		
	3		
	B1 / V-0		

CE G ENEC

Rated connection	
0.5...1.5	
0.5...1.5 / 0.5...1.5	
0.5...0.75	
10 / 0.4 x 2.0 mm	

IEC 60947-7-2

Ex e II Ex II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>
500			
6			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A2 / V-0		

CE G ENEC

Rated connection	
0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Type	Qty.	Order No.
ZDK 1.5PE	100	1791150000

Type	Qty.	Order No.
ZDK 2.5PE	50	1690000000

Type	current	Qty.	Order No.
ZAP/TW ZDK1.5		20	1791160000
ZEW 35		20	9540000000
ZTA 5/ZA		25	1776220000
ZTA 5		25	1776210000
ZRH 1.5S/1		500	1781950000
SDS 0.4X2.0X60		1	9037160000
DEK 5/3.5 MC NE WS		500	1755270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

Type	current	Qty.	Order No.
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
ZAD 9/4		20	1934160000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 PLUS MC NE GE		1000	1907520000
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

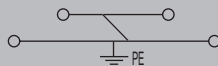
**ZDK 2.5-2PE**

**2.5 mm<sup>2</sup>**

Four connections



5.1 x 72.5 x 54.5  
/ 4  
**0.05...4**



Width/Height/Depth mm  
max. current / max. cond. cross-section -/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	green/yellow
Note	

**Accessories**

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	With spigot Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Cover</b>	With lightning flash symbol
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

For detailed information on other accessories and application in the online catalogue

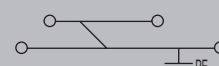
**ZDK 4-2 PE**

**4 mm<sup>2</sup>**

Four connections



6.1 x 77.6 x  
/ 6  
**0.13...6**



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	
800			
8			
		480 A (4 mm <sup>2</sup> )	
		3	
		A3 /	

CE

Rated connection	
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 4-2 PE	50	8671050000

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 30...12	2.5 mm <sup>2</sup>
800			
8			
		300 A (2.5 mm <sup>2</sup> )	
		3	
		A2 / V-0	

CE

Rated connection	
0.5...4	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5-2PE	50	1791010000

Type	current	Qty.	Order No.
ZAP/TW ZDK2.5-2		20	1791050000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
SDS 0.5X3.0X80		1	9008320000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZAP/TW ZDK4-2		50	8670760000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000



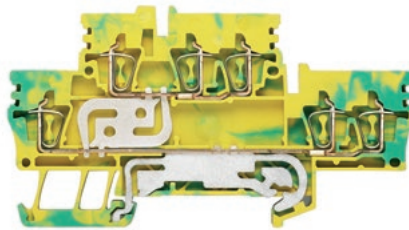
## Spring connection with tension clamp technology (Z-Series)

### PE terminal blocks

#### ZDK 2.5/3AN PE

2.5 mm<sup>2</sup>

Double-level terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 93 x 50.5
/ 4
0.05...4

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

**Note**

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Test adapter</b>	Standard With spigot
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Identification systems</b>	

IEC 60947-7-2 II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 30...12	AWG 30...12	2.5 mm <sup>2</sup>
800			
8			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A2 / V-0		

CE

<b>Rated connection</b>	
0.5...4 / 0.5...2.5	
0.5...2.5 / 0.5...2.5	

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/3AN PE	50	1924470000

Type	current	Qty.	Order No.
ZAP/TW ZDK 2.5/3AN		20	1924910000
ZEW 35/2		20	8630740000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
SNAPMARK I		50	1805880000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).



## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks

#### ZSI 2.5

2.5 mm<sup>2</sup>

For metric fuses 5 x 20 mm



#### ZSI 2.5

Overload and short-circuit protection

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 79.5 x 73  
**6.3 / 4**  
**0.13...4**



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	600 (C)	
6.3	10	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
V-0			

CE, IEC, UL, CSA, EN

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
0.6 x 3.5 mm	
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.	

#### Ordering data

Version	
	500 V AC/DC, without LED
Note	

Type	Qty.	Order No.
ZSI 2.5	50	1616400000
The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.		

#### Accessories

Pluggable cross-connection	
	2-pole
	4-pole
End plate / Partition plate	
	dark beige
	dark beige
Screwdriver	
	Standard
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
Identification systems	

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW 3		50	1608800000
ZAP TNHE/ZSI2.5		25	1610840000
SDIS SL 0.6X3.5X100		1	1274660000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

Type	Order No.
ZSI 2.5	1616400000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	52 °C	4.0 W / 6.3 A	27 °C	2.5 W / 2.5 A
In combination	55 °C	2.5 W / 6.3 A	41 °C	1.6 W / 6.3 A

For detailed information on other accessories and application in the online catalogue

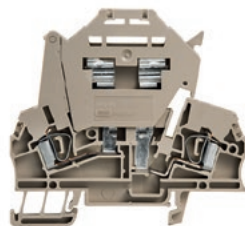
Status display using a bi-directional LED.



ZSI 2.5/QV

2.5 mm<sup>2</sup>

For metric fuses 5 x 20



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 79.5 x 73  
6.3 / 4  
0.13...4

Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400			
6.3			
2.5			
		6 kV / 3	
		V-0	

CE

<b>Rated connection</b>	
0.5...4	
0.5...4 / 0.5...2.5	
0.6 x 3.5 mm	

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

<b>Version</b>	
	dark beige
<b>Note</b>	

Type	Qty.	Order No.
ZSI 2.5/QV	50	1799470000

For fuse cartridge holders the rated voltage is 250 V and the rated impulse withstand voltage 4 kV.

Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
<b>End plate / Partition plate</b>	
	dark beige
	dark beige
<b>Screwdriver</b>	
	Standard
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP/TW 3		50	1608800000
ZAP TNHE/ZSI2.5		25	1610840000
SDIS SL 0.6X3.5X100		1	1274660000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED.



## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks



#### ZSI 2.5 LED

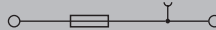
2.5 mm<sup>2</sup>

For metric fuses 5 x 20 mm



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 79.5 x 73  
**6.3 / 4**  
**0.13...4**



#### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
<b>Note</b>	

#### Ordering data

<b>Version</b>	
	500 V AC/DC, without LED
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED
<b>Note</b>	

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	4-pole
<b>End plate / Partition plate</b>	
	dark beige
	dark beige
<b>Screwdriver</b>	
	Standard
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
<b>G25 with indicator / imperial (inch) fuse</b>	
	0.50 A medium slow / 2 A
	1.00 A medium slow / 3 A
	2.00 A fast / 5 A
	4.00 A fast / 10 A
<b>Identification systems</b>	

For detailed information on other accessories and application in the online catalogue

#### ZSI 2.5/5x25

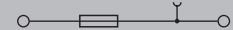
2.5 mm<sup>2</sup>

For metric fuses 5 x 25 mm



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 79.5 x 73  
**6.3 / 4**  
**0.13...4**



#### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
<b>Note</b>	

#### Ordering data

<b>Version</b>		
	500 V AC/DC, without LED	
	10-36 V AC/DC, with LED	
	30-70 V AC/DC, with LED	
	60-150 V AC/DC, with LED	
	140-250 V AC/DC, with LED	
<b>Note</b>		

#### Accessories

<b>Pluggable cross-connection</b>			
		2-pole	
		4-pole	
<b>End plate / Partition plate</b>			
		dark beige	
		dark beige	
<b>Screwdriver</b>			
		Standard	
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>			
		0.25 A fast	
		0.50 A fast	
		1.00 A fast	
		2.00 A fast	
<b>G25 with indicator / imperial (inch) fuse</b>			
		0.50 A medium slow / 2 A	
		1.00 A medium slow / 3 A	
		2.00 A fast / 5 A	
		4.00 A fast / 10 A	
<b>Identification systems</b>			

Status display using a bi-directional LED.

ZSI 2.5/2

2.5 mm<sup>2</sup>

ZSI 2.5/2

For imperial fuses

Overload and short-circuit protection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 79.5 x 73
<b>12 / 4</b>
<b>0.13...4</b>

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	600 (C)	
12	16	15	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
V-0			

CE, ENEC, KEMA, VDE, UL

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
0.6 x 3.5 mm	

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

Ordering data

Version	
	500 V AC/DC, without LED
Note	

Type	Qty.	Order No.
ZSI 2.5/2 500AC	10	<b>1616460000</b>

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

Accessories

Pluggable cross-connection	
	2-pole
	4-pole
End plate / Partition plate	
	dark beige
Screwdriver	
	Standard
G25 with indicator / imperial (inch) fuse	
	4.00 A fast / 10 A
Identification systems	

Type	current	Qty.	Order No.
ZQS 2.5/2	10 A	20	<b>1633200000</b>
ZQS 2.5/4	10 A	20	<b>1633220000</b>
ZAP TNHE/ZSI2.5		25	<b>1610840000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
GZ 10.0A/F		10	<b>1460640000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>

Type	Order No.
ZSI 2.5/2 500AC	<b>1616460000</b>

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	46 °C	4.0 W / 10.0 A	40 °C	2.5 W / 2.5 A
In combination	72 °C	2.5 W / 2.5 A	29 °C	2.5 W / 2.5 A

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED. With use of inch fuse cartridges.



## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks

ZSI 2.5/2 LED

2.5 mm<sup>2</sup>

For imperial fuses



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 79.5 x 73  
**12 / 4**  
**0.13...4**



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
12			
2.5	AWG 26...12	AWG 26...12	
			6 kV / 3
			V-0

CE ENEC IEC K220 2016 VDE

#### Rated connection

0.5...4
0.5...4 / 0.5...2.5
0.6 x 3.5 mm

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

#### Note

#### Ordering data

Version	
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED

#### Note

Type	Qty.	Order No.
ZSI 2.5/2/LD 28AC	10	1616470000
ZSI 2.5/2/LD 60AC	10	1616480000
ZSI 2.5/2/LD 120AC	10	1616490000
ZSI 2.5/2/LD 250AC	10	1616500000

The rated voltage for cartridge fuse holders is 250 V and the rated impulse voltage 4 kV.

#### Accessories

Pluggable cross-connection	
	2-pole
	4-pole
End plate / Partition plate	
	dark beige
Screwdriver	
	Standard
G25 with indicator / imperial (inch) fuse	
	4.00 A fast / 10 A
Identification systems	

Type	current	Qty.	Order No.
ZQS 2.5/2	10 A	20	1633200000
ZQS 2.5/4	10 A	20	1633220000
ZAP TNHE/ZSI2.5			
		25	1610840000
SDIS SL 0.6X3.5X100			
		1	1274660000
GZ 10.0A			
		10	0293900000
DEK 5/5 MC NE WS			
		1000	1609801044
WS 10/5 MC NE WS			
		720	1635000000

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED. With use of inch fuse cartridges.





## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks



#### ZSI 2.5 2x2 AN

2.5 mm<sup>2</sup>

For metric fuses 5 x 20



#### ZSI 2.5 2x2 AN

2.5 mm<sup>2</sup>

For metric fuses 5 x 25



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.2 x 68 x 55	
<b>10 / 4</b>	
<b>0.13...4</b>	

12.2 x 68 x 55	
<b>10 / 4</b>	
<b>0.13...4</b>	

#### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
<b>Note</b>	

IEC 60947-7-3			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500	300 (C)	300 (C)	
10	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
V-0			
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
0.6 x 3.5 mm			
The rated voltage of the fuse must not be exceeded. According to UL & CSA 600 V / 5 A.			

IEC 60947-7-3			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500	300 (C)	300 (C)	
10	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
V-0			
<b>Rated connection</b>			
0.5...4			
0.5...4 / 0.5...2.5			
0.6 x 3.5 mm			
The rated voltage of the fuse must not be exceeded. UL & CSA D = 600 V / 5 A			

#### Ordering data

<b>Version</b>	500 V AC/DC, without LED
<b>Note</b>	

Type	Qty.	Order No.
ZSI 2.5-2/2X2AN/G20	20	1826050000
G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25 G 25 LED versions on request		

Type	Qty.	Order No.
ZSI 2.5-2/2X2AN/G25	20	1826200000
G 20 = G-fuse cartridge 5 x 20 / G 25 = G-fuse cartridge 5 x 25 G25 LED types on request		

#### Accessories

<b>Pluggable cross-connection</b>	2-pole
<b>End plate / Partition plate</b>	End plate, Wemid
<b>Screwdriver</b>	Standard
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	0.25 A fast 0.50 A fast 1.00 A fast 2.00 A fast
<b>Identification systems</b>	
<b>G25 with indicator / imperial (inch) fuse</b>	0.50 A medium slow / 2 A 1.00 A medium slow / 3 A 2.00 A fast / 5 A 4.00 A fast / 10 A

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP ZDU6-2 SW		50	1814710000
SDIS SL 0.6X3.5X100		1	1274660000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP ZDU6-2 SW		50	1814710000
SDS 0.6X3.5X100		1	9008330000
G 25/0.50A/M WS		10	0510300000
G 25/1.00A/M RT		10	0265800000
G 25/2.00A/F BL		10	0192700000
G 25/4.00A/F BR		10	0192800000
WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue

## ZSI 2.5-2

### Overload and short-circuit protection

### ZSI 2.5-2 / G20

Type	Order No.
ZSI 2.5-2/2X2AN/G20	1826050000
ZSI 2.5-2/2X2AN/G20/GL	1826030000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>a</sub> max.	Nominal values	T <sub>a</sub> max.	Nominal values
Individual			39 °C	2.5 W / 6.3 A
In combination			41 °C	1.6 W / 6.3 A

### ZSI 2.5-2 / G25

Type	Order No.
ZSI 2.5-2/2X2AN/G25	1826200000
ZSI 2.5-2/2X2AN/G25/GL	1826090000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>a</sub> max.	Nominal values	T <sub>a</sub> max.	Nominal values
Individual	60 °C			
In combination	47 °C			



## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks

#### ZSI 2.5 2x2 AN LED

2.5 mm<sup>2</sup>

For metric fuses 5 x 20

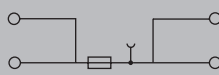


Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.2 x 68 x 55

10 / 4

0.13...4



#### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)		
10	10		
2.5	AWG 26...12	AWG 26...12	
			4 kV / 3
			V-0

CE

#### Rated connection

0.5...4
0.5...4 / 0.5...2.5
0.6 x 3.5 mm

The rated voltage of the fuse must not be exceeded. According to UL & CSA 600 V / 5 A.

#### Ordering data

<b>Version</b>	
	10-36 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED
<b>Note</b>	

Type	Qty.	Order No.
ZSI 2.5-2/2X2AN/G20/LD1	20	1867440000
ZSI 2.5-2/2X2AN/G20/LD3	20	1867420000
ZSI 2.5-2/2X2AN/G20/LD4	20	1879730000

G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25  
G 25 LED versions on request

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
<b>End plate / Partition plate</b>	
	End plate, Wemid
<b>Screwdriver</b>	
	Standard
<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP ZDU6-2 SW		50	1814710000
SDIS SL 0.6X3.5X100		1	1274660000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue







**Spring connection with tension clamp technology (Z-Series)**

**Fuse terminal blocks**

**ZSI 6-2**

**6 mm<sup>2</sup>**

For metric fuses 5 x 20



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.2 x 68 x 55	
<b>10 / 10</b>	
<b>0.13...10</b>	

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
10	10	10	
6	AWG 26...12	AWG 26...8	
4 kV / 3			
V-0			

CE

Rated connection	
0.5...10	0.5...4
0.5...10 / 0.5...6	0.5...4 / 0.5...2.5
0.6 x 3.5 mm	

The rated voltage of the fuse must not be exceeded. According to UL 600 V / 5 A. A 3 terminal points AWG 26-12, A 5 terminal points AWG 20-8.

**Ordering data**

Version	
	500 V AC/DC, without LED
	10-36 V AC/DC, with LED
	140-250 V AC/DC, with LED
Note	

Type	Qty.	Order No.
ZSI 6-2 2X2.5/G20	20	1820930000
G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25 G 25 LED versions on request		

**Accessories**

Pluggable cross-connection	
	2-pole
End plate / Partition plate	
	End plate, Wemid
Screwdriver	
	Standard
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.50 A fast
	1.00 A fast
	2.00 A fast
	0.25 A fast
G25 with indicator / imperial (inch) fuse	
	2.00 A fast / 5 A
	4.00 A fast / 10 A
	1.00 A medium slow / 3 A
	0.50 A medium slow / 2 A
Identification systems	
	DEK 5/5 MC NE WS
	WS 10/5 MC NE WS

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP ZDU6-2 SW		50	1814710000
SDIS SL 0.8X4.0X100		1	1274670000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
G 20/0.25A/F		10	0430500000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

For detailed information on other accessories and application in the online catalogue

**ZSI 6-2**

Overload and short-circuit protection

**ZSI 6-2 2x2.5 / G20**

Type	Order No.
ZSI 6-2 2X2.5/G20	1820930000
ZSI 6-2 2X2.5/G20/GL	1820860000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual			37 °C	2.5 W / 6.3 A
In combination			40 °C	1.6 W / 6.3 A

**ZSI 6 2x2.5 / G25**

Type	Order No.
ZSI 6-2 2X2.5/G25	1820950000
ZSI 6-2 2X2.5/G25/GL	1820940000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	60 °C			
In combination	47 °C			

For detailed information on other accessories and application in the online catalogue

ZSI 6-2 2x2.5

6 mm<sup>2</sup>

For metric fuses 5 x 20 / 5 x 25



12.2 x 68 x 55  
10 / 10  
0.13...10



IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
10	10	10	
6	AWG 26...12	AWG 26...8	
4 kV / 3			
V-0			

CE

Rated connection

0.5...10	0.5...4
0.5...10 / 0.5...6	0.5...4 / 0.5...2.5
0.6 x 3.5 mm	

The rated voltage of the fuse must not be exceeded. Acc. to UL 600 V / 5 A. A3 terminal points AWG 26-12, A5 terminal points AWG 20-8

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	

Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	

Note

Ordering data

Version	
	500 V AC/DC, without LED
	10-36 V AC/DC, with LED
	140-250 V AC/DC, with LED
Note	

Accessories

Pluggable cross-connection	2-pole
End plate / Partition plate	End plate, Wemid
Screwdriver	Standard
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.50 A fast
	1.00 A fast
	2.00 A fast
	0.25 A fast
G25 with indicator / imperial (inch) fuse	
	2.00 A fast / 5 A
	4.00 A fast / 10 A
	1.00 A medium slow / 3 A
	0.50 A medium slow / 2 A
Identification systems	

For detailed information on other accessories and application in the online catalogue

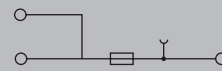
ZSI 6-2 LED

6 mm<sup>2</sup>

For metric fuses 5 x 20



12.2 x 68 x 55  
10 / 10  
0.13...10



IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)		
10	10		
6	AWG 26...12	AWG 20...8	
4 kV / 3			
V-0			

CE

Rated connection

0.5...10	0.5...4
0.5...10 / 0.5...6	0.5...4 / 0.5...2.5
0.6 x 3.5 mm	

The rated voltage of the fuse must not be exceeded. According to UL 600 V / 5 A. A3 terminal points AWG 26-12, A5 terminal points AWG 20-8.

Type	Qty.	Order No.
ZSI 6-2 2X2.5/G25	20	1820950000
G 20 = G-fuse cartridge 5 x 20 / G 25 = G-fuse cartridge 5 x 25 G25 LED types on request		

Type	Qty.	Order No.
ZSI 6-2 2X2.5/G20/LD1	20	1867500000
ZSI 6-2 2X2.5/G20/LD4	20	1879750000
G 20 = G cartridge fuse 5 x 20 / G 25 = G cartridge fuse 5 x 25 G 25 LED versions on request		

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP ZDU6-2 SW		50	1814710000
SDS 0.8X4.0X100		1	9008340000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
G 20/0.25A/F		10	0430500000
G 25/2.00A/F BL		10	0192700000
G 25/4.00A/F BR		10	0192800000
G 25/1.00A/M RT		10	0265800000
G 25/0.50A/M WS		10	0510300000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP ZDU6-2 SW		50	1814710000
SDIS SL 0.8X4.0X100		1	1274670000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
G 20/0.25A/F		10	0430500000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000



## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks

#### ZSI 6-2/FC

6 mm<sup>2</sup>

For car fuses

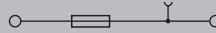


#### ZSI 6-2/FC

Overload and short-circuit protection

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 70 x 50
<b>30 / 10</b>
<b>0.33...10</b>



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	
Note	

DIN 72581-3, IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
250	300 (C)	300 (C)	
30		25	
6	AWG 22...10	AWG 22...10	
		6 kV / 3	
		V-0	

CE, RoHS, REACH, VDE, TÜV

Rated connection	
0.5...10	
0.5...10 / 0.5...6	
4.0 x 0.8 mm	
Note	
Fuse continuous current max. 80 % IN.	

#### Ordering data

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
Note	

Type	Qty.	Order No.
ZSI 6-2/FC	25	1814690000
ZSI 6-2/FC LD	25	1814700000
Note		
Automotive fuses are not available from Weidmüller.		

#### Accessories

Pluggable cross-connection	
2-pole	
4-pole	
End plate / Partition plate	
End plate, Wemid	
Screwdriver	
Standard	
Identification systems	

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2 SW		50	1814710000
SDIS SL 0.8X4.0X100		1	1274670000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000

Type	Order No.
ZSI 6-2/FC	1814690000

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	24 °C	3,0 W / 30 A	*	*
In combination	28 °C	1,90 W / 24 A (30 A)**	*	*

\*) Values not available

\*\*) According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.  
⇒ The 30 A fuse can be loaded to a maximum 24 A

For detailed information on other accessories and application in the online catalogue

Status display using a bi-directional LED. With use of Pudenz fuses.

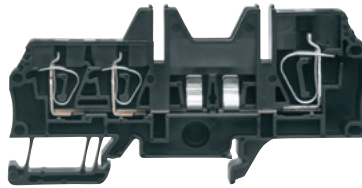
Especially suitable for utility vehicles in combination with standard car fuses and thermal circuit breakers.

- Simple fuse protection for the plant or facility
- Simplifies the wiring by using ZQV cross-connections
- Simple distribution of potentials
- Vibration-proof
- Optimised wire insertion to connect short-circuit proof cables
- Pluggable solution for ETA circuit breaker (Typ 1170) or alternatively car fuses

**ZSI 2x6/4x2.5 FC**

6/2.5 mm<sup>2</sup>

Circuit breaker ETA 1170  
28 V DC



**ZSI 2X6/4X2.5 FC / ZSI 2X6/4X2.5**

Overload and short-circuit protection

Width/Length/Height with TS35x7.5	mm
Insulating stripping length	mm

16 / 93 / 47.5	
10	

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Approvals	
Other technical data	
Clamped conductors	
solid H07V-U	mm <sup>2</sup>
stranded H07V-K	mm <sup>2</sup>
„f“ with ferrule acc. DIN 46 228/1	mm <sup>2</sup>
„f“ ferrules with plastic collar	mm <sup>2</sup>
max. clamping range in mm <sup>2</sup>	
gauge acc. to IEC 60 947-1	Size

IEC	UL	CSA
500		
57		
2.5	AWG 26...12	AWG 26...12
6	AWG 20...8	AWG 20...8
in work in work		
Output	Input	
0.5...4	0.5...10	
0.5...4	0.5...10	
0.5...2.5	0.5...6	
0.5...2.5	0.5...6	
in work in work		
0.08...4	0.21...10	

**Note**

The maximum load of the single circuit breakers shouldn't be exceeded.

**Ordering data**

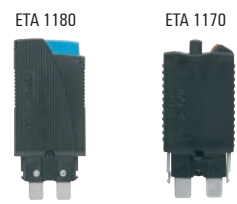
<b>Note</b>
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Type	Qty.	Order No.
ZSI 2x6/4x2.5 FC	10	1058520000

**Accessories**

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
End plate / partition	
	ZAP black Wemid
Screwdriver	
	SD acc. to DIN 5264-A
Circuit breaker ETA and car fuses*	
Rated voltage	
Rated current	A
Switching capacity	A
Protection	IP
Rated current circuit breaker	A

Type	Current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZAP ZSI2x6/4x2.5		50	1059310000
SD 0.6x3.5		1	9008330000
SD 0.8x4		1	9008340000



Circuit breaker 1170			
28 V DC			
3...25			
400			
40			
Circuit breaker 1170			
	Colour	Order No.	
3	violet	1278730000	
4	pink	1278740000	
5	orange	1278750000	
6	green	1278760000	
7.5	brown	1278770000	
8	yellow	1278780000	
10	red	1278790000	
15	blue	1278810000	
20	yellow	1278820000	
25	white	1278830000	

**Marking systems** (see assortment in catalogue 7)  
Marking tags

DEK 5/5 MC

**\*) Note:**  
not possible to order from Weidmüller

Type	Order No.
ZSI 2X6/4X2.5 FC	1058520000

Arrangement	Applications			
	ETA fuse		Automotive fuse	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	24 °C	1.68 W / 20 A (25 A)*	45 °C	1.9 W / 24 A (30 A)**
In combination	24 °C	1.68 W / 20 A (25 A)*	35 °C	1.9 W / 24 A (30 A)**

**\*)** ETA circuit breakers 1170  
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.  
⇒ The 25 A fuse can be loaded to a maximum 20 A

**\*\*)** Automotive fuses in accordance with DIN 41576  
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.  
⇒ The 30 A fuse can be loaded to a maximum 24 A

## Spring connection with tension clamp technology (Z-Series)

### Fuse terminal blocks

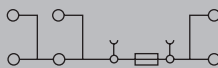
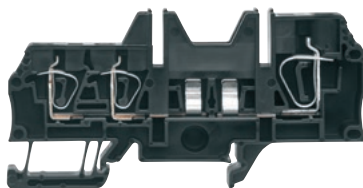
Especially suitable for utility vehicles in combination with standard car fuses and thermal circuit breakers.

- Simple fuse protection for the plant or facility
- Simplifies the wiring by using ZQV cross-connections
- Simple distribution of potentials
- Vibration-proof
- Optimised wire insertion to connect short-circuit proof cables
- Pluggable solution for ETA circuit breaker (Typ 1180)

### ZSI 2x6/4x2.5

6/2.5 mm<sup>2</sup>

Circuit breaker ETA 1180  
65 V DC / 250 V AC



### ZSI 2X6/4X2.5 FC / ZSI 2X6/4X2.5

Overload and short-circuit protection

Width/Length/Height with TS35x7.5	mm
Insulating stripping length	mm

#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
Rated cross-section	mm <sup>2</sup>
Approvals	
Other technical data	
Clamped conductors	
solid H07V-U	mm <sup>2</sup>
stranded H07V-K	mm <sup>2</sup>
„f“ with ferrule acc. DIN 46 228/1	mm <sup>2</sup>
„f“ ferrules with plastic collar	mm <sup>2</sup>
max. clamping range in mm <sup>2</sup>	
gauge acc. to IEC 60 947-1	Size

#### Note

IEC	UL	CSA
500		
57		
2.5	AWG 26...12	AWG 26...12
6	AWG 20...8	AWG 20...8
	in work	in work
Output	Input	
0.5...4	0.5...10	
0.5...4	0.5...10	
0.5...2.5	0.5...6	
0.5...2.5	0.5...6	
0.08...4	0.21...10	

The maximum load of the single circuit breakers shouldn't be exceeded.

#### Ordering data

Type	Qty.	Order No.
ZSI 2x6/4x2.5	10	1265990000

#### Note

#### Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
End plate / partition	
	ZAP black Wemid
Screwdriver	
	SD acc. to DIN 5264-A
Circuit breaker ETA and car fuses*	
Rated voltage	
Rated current	A
Switching capacity	A
Protection	IP
Rated current circuit breaker	A

ETA 1180

ETA 1170



Marking systems (see assortment in catalogue 7)

Marking tags

\*) Note:  
not possible to order from Weidmüller

Type	Strom	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
Circuit breaker 1180			
65 V DC / 250 V AC			
0.1...10			
400			
40			
Circuit breaker 1180			
	Order No.	Qty.	Order No.
0.1	1278840000	2	1278970000
0.2	1278850000	2.5	1278980000
0.25	1278860000	3	1278990000
0.3	1278870000	3.5	1279010000
0.4	1278880000	4	1279020000
0.5	1278910000	5	1279030000
0.6	1278920000	6	1279040000
0.7	1278930000	7	1279050000
0.8	1278940000	8	1279060000
1	1278950000	10	1279070000
1.5	1278960000		

DEK 5/5 MC

Type	Order No.
ZSI 2X6/4X2.5	1265990000

Arrangement	Applications			
	ETA fuse		Automotive fuse	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	24 °C	1.68 W / 20 A (25 A)*	45 °C	1.9 W / 24 A (30 A)**
In combination	24 °C	1.68 W / 20 A (25 A)*	35 °C	1.9 W / 24 A (30 A)**

\*) ETA circuit breakers 1170  
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.  
⇒ The 25 A fuse can be loaded to a maximum 20 A

\*\*) Automotive fuses in accordance with DIN 41576  
According to information from the manufacturer, the rated value of the fuse must be reduced to 80 % of the nominal value of the fuse. The permitted power loss is limited by the surface temperature of the fuse.  
⇒ The 30 A fuse can be loaded to a maximum 24 A

## Fuse cartridges and gauge rings for Weidmüller fuse terminal blocks

### Fuse cartridges

for terminal type:  
PSI 6/10  
WSI 4  
WSI 6  
AFS 4 2C BK  
PSI 6/10 SW  
ZSI 2.5  
ZSI 2.5-2/2X2AN/G20  
ZSI 6-2 2X2.5/G20  
KDKS 1/35 DB



### Ordering data

G-type fuse cartridges 5 x 20 without indicator in accordance with IEC 60127-2 (VDE 0820 T.2 B1) <sup>1)</sup>						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
	0.1	quick-acting	G 20/0.10A/F	10	0430300000	
	0.2	quick-acting	G 20/0.20A/F	10	0430400000	
Cartridge fuse	G-Si. 5 x 20	0.25	quick-acting	G 20/0.25A/F	10	0430500000
Rated breaking capacity	1.5 kA	0.5	quick-acting	G 20/0.50A/F	10	0430600000
	0.63	quick-acting	G 20/0.63A/F	10	0439000000	
	1	quick-acting	G 20/1.00A/F	10	0430700000	
	1.6	quick-acting	G 20/1.60A/F	10	0430800000	
	2	quick-acting	G 20/2.00A/F	10	0430900000	
	2.5	quick-acting	G 20/2.50A/F	10	0431000000	
	3.15	quick-acting	G 20/3.15A/F	10	0431100000	
	4	quick-acting	G 20/4.00A/F	10	0431200000	
	5	quick-acting	G 20/5.00A/F	10	0431300000	
	6.3	quick-acting	G 20/6.30A/F	10	0431400000	

(M) = medium time-lag; (F) = quick-acting

### Fuse cartridges

for terminal type:  
WSI 6



### Ordering data

G-type fuse cartridges 5 x 25 with code in acc. with DIN 41576 <sup>1)</sup>						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
	0.25	medium time-lag	G 25/0.25A/M GE	10	0546900000	
	0.5	medium time-lag	G 25/0.50A/M WS	10	0510300000	
Cartridge fuse	G-Si. 5 x 25	0.8	medium time-lag	G 25/0.80A/M GR	10	0646400000
Rated breaking capacity	80 A	1	medium time-lag	G 25/1.00A/M RT	10	0265800000
	2	quick-acting	G 25/2.00A/F BL	10	0192700000	
	4	quick-acting	G 25/4.00A/F BR	10	0192800000	
	6.3	quick-acting	G 25/6.30A/F GN	10	0192900000	
	10	medium time-lag	G 25/10.0A/M RT	10	0193100000	

(M) = medium time-lag; (F) = quick-acting

### Fuse cartridges

for terminal type:  
WSI 4/2  
WSI 6/2 GZ/DEF63



### Ordering data

Fuse cartridges 1¼" x ¼" without indicator in acc. with BS 88						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
	0.5	quick-acting	GZ 0.5A/F	10	1460580000	
	1	quick-acting	GZ 1.0A/F	10	1460590000	
Cartridge fuse	G-Si. 6.3 x 32	2	quick-acting	GZ 2.0A/F	10	1460600000
Rated breaking capacity	50 kA	3	quick-acting	GZ 3.0A/F	10	1460610000
	5	quick-acting	GZ 5.0A/F	10	1460620000	
	7	quick-acting	GZ 7.0A/F	10	1460630000	
	10	quick-acting	GZ 10.0A/F	10	1460640000	
	12.5	quick-acting	GZ 12.5A/F	10	1460650000	

(M) = medium time-lag; (F) = quick-acting

Note: 1) The company SIBA supplies G-type cartridge fuses, 5 x 25 with indicator, also in marine engineering version for 450 V-.



## Spring connection with tension clamp technology (Z-Series)

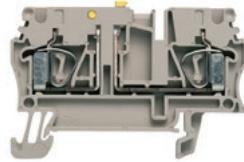
### Test-disconnect terminal blocks



#### ZTR 2.5

2.5 mm<sup>2</sup>

Two connections



5.1 x 59.5 x 38.5  
20 / 4  
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	600	
20	20	20	
2.5	AWG 30...12	AWG 30...12	
6 kV / 3			
A3 / V-0			

CE

#### Rated connection

0.5...4  
0.5...4 / 0.5...2.5

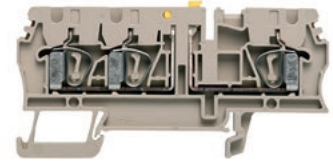
10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

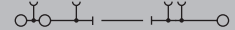
#### ZTR 2.5/3AN

2.5 mm<sup>2</sup>

Three connections



5.1 x 79.5 x 38.5  
20 / 4  
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	300	
20	20	10	
2.5	AWG 30...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

#### Rated connection

0.5...4  
0.5...4 / 0.5...2.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	
	dark beige
	blue
Note	

#### Accessories

Pluggable cross-connection	
	2-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Test adapter	
	Standard
	With spigot
Disconnect plug	
	removable, as replacement for release lever
Identification systems	

Type	Qty.	Order No.
ZTR 2.5	100	1831280000
ZTR 2.5 BL	100	8731710000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 1		50	1608740000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

Type	Qty.	Order No.
ZTR 2.5/3AN	100	8731720000
ZTR 2.5/3AN BL	100	8731730000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 3		50	1608800000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
ZTA 1		25	1609040000
ZTA 1/ZA		25	1609050000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

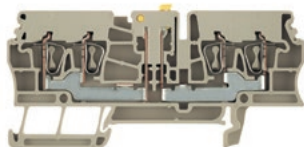
For detailed information on other accessories and application in the online catalogue



ZTR 2.5/4AN

2.5 mm<sup>2</sup>

Four connections



5.1 x 82.5 x 38.5  
16 / 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
16	10	10	
2.5	AWG 30...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE ENEC KEMA VDE

Rated connection

0.5...2.5  
0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZTR 2.5/4AN	100	7920900000
ZTR 2.5/4AN BL	100	7920930000

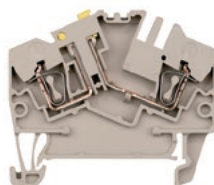
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW 3		50	1608800000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
PS 2.3 RT		20	0180400000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 3, a fused terminal is created.

ZTR 2.5-2

2.5 mm<sup>2</sup>

Two connections



5.1 x 50.5 x 43.5  
21 / 2.5  
0.13...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE ENEC KEMA VDE

Rated connection

0.5...2.5  
0.5...2.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZTR 2.5-2	100	1779010000
ZTR 2.5-2 BL	100	1779120000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 2, a fused terminal is created.

ZTR 6-2

6 mm<sup>2</sup>

Two connections



8.1 x 70 x 50  
32 / 10  
0.05...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
690	300		
32	25		
6	AWG 22...8		
8 kV / 3			
A5 / V-0			

CE ENEC VDE

Rated connection

0.5...10 / 0.5...6  
0.5...6 / 0.5...6

12 / 0.6 x 3.5 mm

With plugged ZQV, 500 V and 6 kV. If the disconnect lever is replaced by an SIHA 3, the result is a fuse terminal.

Type	Qty.	Order No.
ZTR 6-2	50	1023830000

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/4 GE	41 A	60	1627870000
ZAP ZDU6-2		50	1771440000
ZEW 35		20	9540000000
SDIS 0.6X3.5X100		1	9008390000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6 MC NE WS		600	1609900000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

If the disconnect lever is replaced by the SIHA 2, a fused terminal is created.



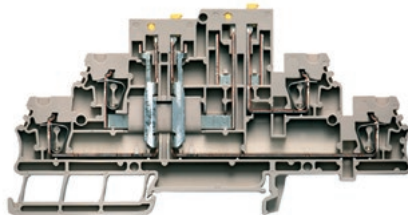
## Spring connection with tension clamp technology (Z-Series)

### Test-disconnect terminal blocks

**ZDTR 2.5**

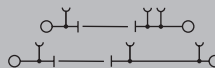
**2.5 mm<sup>2</sup>**

Four connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 117 x 67  
**16 / 4**  
**0.13...4**



#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
16	10	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

#### Note

#### Ordering data

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
ZDTR 2.5	20	<b>1745400000</b>
ZDTR 2.5 BL	20	<b>1798330000</b>

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Holder for cartridge fuse 5 x 20 mm	
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	<b>1693800000</b>
ZQV 2.5N/10 GE	24 A	20	<b>1693880000</b>
AP ZDTR2.5		20	<b>1745420000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
PS 2.3 RT		20	<b>0180400000</b>
SIHA 2/G20 10-36V		25	<b>9543070000</b>
SIHA 2/G20 140-250V		25	<b>9537640000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

If the disconnect lever is replaced by the SIHA 2 (only on the top level), a fused terminal is created.



## WeiCoS pluggable terminal block system

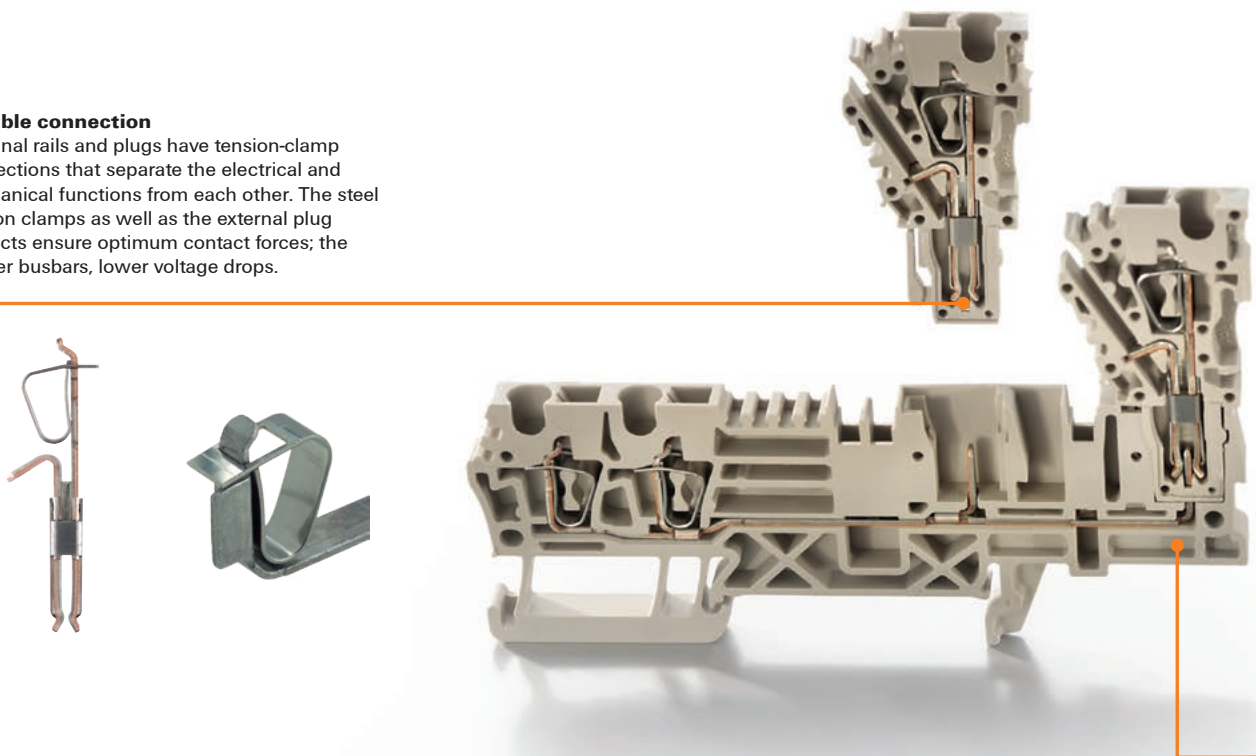
### Connecting prefabricated functional units with speed and versatility

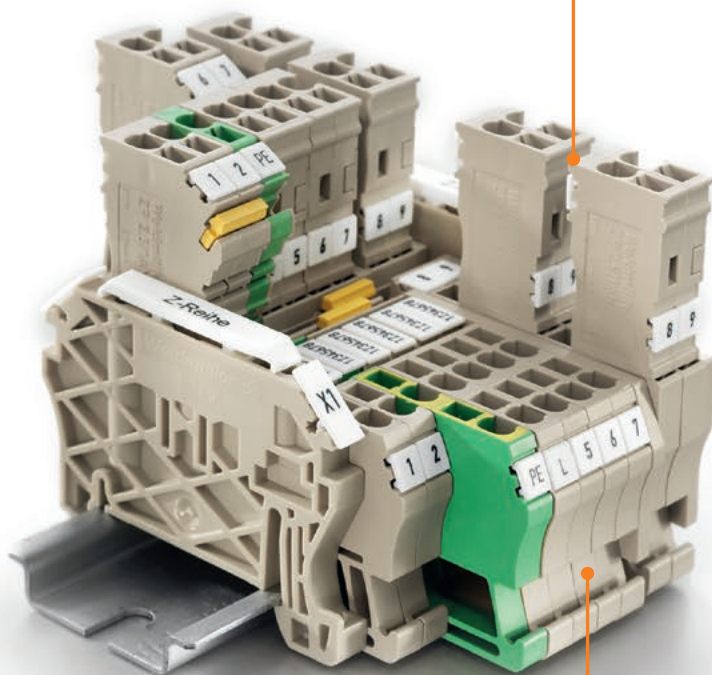
Our pluggable terminal rails with tension-clamp connections enable you to change functional units in the electrical cabinet quickly and simply.

Modular and flexible connection systems are especially in demand where complete functional units have to be prefabricated or replaced. Here WeiCoS (Weidmüller Connection System) – pluggable terminal blocks – show their full strengths. Quickly mounted, fully factory testable functional units which are faster and easier to replace.

#### Reliable connection

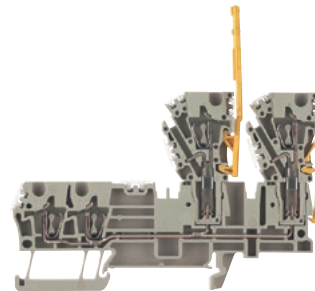
Terminal rails and plugs have tension-clamp connections that separate the electrical and mechanical functions from each other. The steel tension clamps as well as the external plug contacts ensure optimum contact forces; the copper busbars, lower voltage drops.





**Solid interlock**

All the connectors can be locked securely to the base terminals using locking elements.



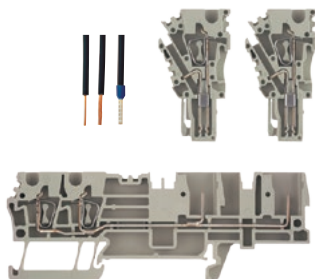
**Power supply**

Power is supplied using standard Z-series terminal blocks or with power supply terminals.



**Simple operation**

The parallel direction of wire entries and screwdriver operating direction means that you have a practical connection with the TOP connection system for which no special tools are needed. Test points are integrated.



**Spring connection with tension clamp technology (Z-Series)**  
**Pluggable terminal blocks**

Universal range

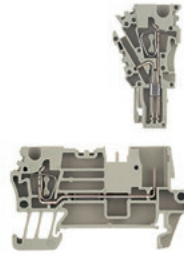
**A**



**ZT 2.5/2AN/1**


**2.5 mm<sup>2</sup>**

1 tension clamp connection / 1 pluggable connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 58 x 34.5
<b>24 / 4</b>
<b>0.13...4</b>



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

	dark beige
	blue

**Plug-in connector**

Type	Qty.	Order No.
ZT 2.5/2AN/1	50	1815070000
ZT 2.5/2AN/1 BL	50	1295550000

Note

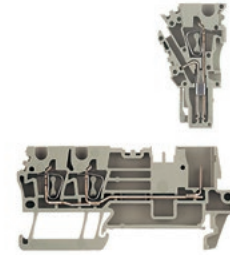
**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Orange
Test adapter	
	Standard
	With spigot
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	
For detailed information on other accessories and application in the online catalogue	


**ZT 2.5/3AN/1**

**2.5 mm<sup>2</sup>**

2 tension clamp connections / 1 pluggable connection



5.1 x 71.5 x 34.5
<b>24 / 4</b>
<b>0.13...4</b>



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Type	Qty.	Order No.
ZT 2.5/3AN/1	50	1815090000
ZT 2.5/3AN/1 BL	50	1304720000

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000

ZAP/TW ZT2.5/2AN	50	1816030000
ZAP/TW ZT2.5/2AN OR	50	1816040000

ZTA ZT2.5	25	1827080000
ZTA ZT2.5/ZA	25	1847600000

ZVR ZP2.5	25	1816130000
KOSF ZT2.5	50	1816150000
ZZE ZP2.5	25	1816140000

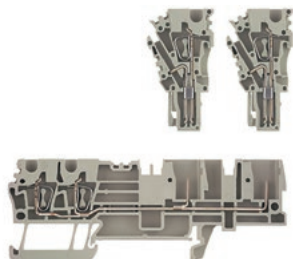
SDIS SL 0.6X3.5X100	1	1274660000
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DEK 5/6 MC NE WS	1000	1609820000
WS 10/5 MC M SDR	144	1792010000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000

ZT 2.5/4AN/2

2.5 mm<sup>2</sup>

2 tension clamp connections / 2 pluggable connections



5.1 x 93 x 34.5

24 / 4

0.13...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
6 kV / 3			
A2 / V-0			



Rated connection Plug-in connection

0.5...4

0.5...4 / 0.5...2.5

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

ZT 2.5/4AN/4

2.5 mm<sup>2</sup>

4 pluggable connections



5.1 x 85.5 x 34.5

24 /



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
6 kV / 3			
/ V-0			



Rated connection Plug-in connection

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool. UL & CSA D = 600 V / 5 A

Type	Qty.	Order No.
ZT 2.5/4AN/2	50	1815110000

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

Type	Qty.	Order No.
ZT 2.5/4AN/4	50	1815130000

Type	Qty.	Order No.
ZP 2.5/1AN/1	50	1815430000
ZP 2.5/1AN/2	25	1815440000
ZP 2.5/1AN/3	25	1815450000
ZP 2.5/1AN/4	25	1815500000
ZP 2.5/1AN/5	25	1815510000
ZP 2.5/1AN/6	25	1815520000
ZP 2.5/1AN/7	25	1815530000
ZP 2.5/1AN/8	20	1815540000
ZP 2.5/1AN/9	20	1815550000
ZP 2.5/1AN/10	20	1815560000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZT2.5/4AN/2		50	1816070000
ZAP/TW ZT2.5/4AN/2 OR		50	1816080000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC M SDR		144	1792010000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZT2.5/4AN/4		50	1816090000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000



## Spring connection with tension clamp technology (Z-Series) Pluggable terminal blocks



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

### Ordering data

	dark beige
	blue
Plug-in connector	

**Note**

### Accessories

Pluggable cross-connection	
	2-pole
End plate / Partition plate	
	dark beige
	Orange
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

## ZT 4/2AN/1

4 mm<sup>2</sup>

1 tension clamp connection / 1 pluggable connection



6.5 x 58 x 43
<b>32 / 6</b>
<b>0.13...6</b>

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
800			
32	28	28	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A3 / V-0		

CE	
Rated connection	Plug-in connection
0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

CSA current and voltage, acc. to Gr. C

Type	Qty.	Order No.
ZT 4/2AN/1	50	1854960000
ZT 4/2AN/1 BL	50	1312830000

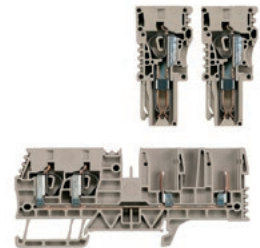
Type	Qty.	Order No.
ZP 4/1AN/1	50	1848340000
ZP 4/1AN/2	25	1854990000
ZP 4/1AN/3	25	1855000000
ZP 4/1AN/4	25	1855010000
ZP 4/1AN/5	20	1855020000
ZP 4/1AN/6	20	1855030000
ZP 4/1AN/7	20	1855040000
ZP 4/1AN/8	20	1855050000
ZP 4/1AN/9	10	1855060000
ZP 4/1AN/10	10	1855070000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP/TW ZT4/2AN		50	1855220000
ZAP/TW ZT4/2AN OR		50	1855230000
ZVR ZP4		25	1855250000
KOSF ZT4		50	1856860000
ZZE ZP4		25	1855260000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

## ZT 4/4AN/2

4 mm<sup>2</sup>

2 tension clamp connections / 2 pluggable connections



6.5 x 100.5 x 43
<b>32 / 6</b>
<b>0.13...6</b>

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
800			
32	28	28	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A3 / V-0		

CE	
Rated connection	Plug-in connection
0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

CSA current and voltage, acc. to Gr. C

Type	Qty.	Order No.
ZT 4/4AN/2	50	1848350000

Type	Qty.	Order No.
ZP 4/1AN/1	50	1848340000
ZP 4/1AN/2	25	1854990000
ZP 4/1AN/3	25	1855000000
ZP 4/1AN/4	25	1855010000
ZP 4/1AN/5	20	1855020000
ZP 4/1AN/6	20	1855030000
ZP 4/1AN/7	20	1855040000
ZP 4/1AN/8	20	1855050000
ZP 4/1AN/9	10	1855060000
ZP 4/1AN/10	10	1855070000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZAP/TW ZT4/4AN/2		50	1848360000
ZVR ZP4		25	1855250000
KOSF ZT4		50	1856860000
ZZE ZP4		25	1855260000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

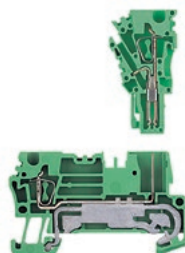




ZTPE 2.5/2AN/1

2.5 mm<sup>2</sup>

1 tension clamp connection / 1 pluggable connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 58 x 34.5
/ 4
0.13...4

IEC 61984, In accordance with IEC 60947-7-1

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated short-time current	
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

Note

Ordering data

Version	green/yellow
Note	

Accessories

End plate / Partition plate	
	dark beige
	Orange
Test adapter	
	Standard
	With spigot
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm <sup>2</sup> )			
2.5	AWG 26...12		
	/ 3		
	A2 / V-0		

Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

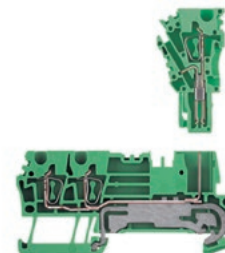
Type	Qty.	Order No.
ZTPE 2.5/2AN/1	50	1815080000

Type	current	Qty.	Order No.
ZAP/TW ZT2.5/2AN		50	1816030000
ZAP/TW ZT2.5/2AN OR		50	1816040000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZTPE 2.5/3AN/1

2.5 mm<sup>2</sup>

2 tension clamp connections / 1 pluggable connection



5.1 x 71.5 x 34.5
/ 4
0.13...4

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm <sup>2</sup> )			
2.5	AWG 26...12		
	/ 3		
	A2 / V-0		

Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

Type	Qty.	Order No.
ZTPE 2.5/3AN/1	50	1815100000

Type	current	Qty.	Order No.
ZAP/TW ZT2.5/3AN		50	1816050000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

**Spring connection with tension clamp technology (Z-Series)**  
**Pluggable terminal blocks**

Universal range

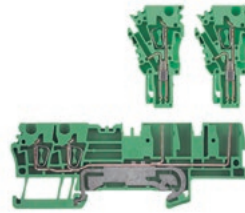
**A**



**ZTPE 2.5/4AN/2**

**2.5 mm<sup>2</sup>**

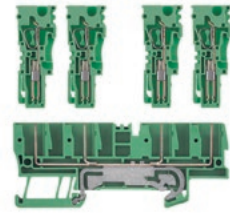
2 tension clamp connections / 2 pluggable connections



**ZTPE 2.5/4AN/4**

**2.5 mm<sup>2</sup>**

4 pluggable connections

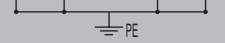


Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 93 x 34.5
/ 4
<b>0.13...4</b>



5.1 x 85.5 x 34.5
/ 4
<b>0.13...4</b>



**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated short-time current	
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm <sup>2</sup> )			
2.5	AWG 26...12		
/ 3			
A2 / V-0			

CE, RoHS, REACH, UL, VDE, TÜV

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm <sup>2</sup> )			
2.5	AWG 26...12		
/ 3			
A2 / V-0			

CE, RoHS, REACH, UL, VDE, TÜV

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

**Ordering data**

Version	
	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
ZTPE 2.5/4AN/2	50	<b>1815120000</b>

Type	Qty.	Order No.
ZTPE 2.5/4AN/4	50	<b>1815140000</b>

**Accessories**

End plate / Partition plate	
	dark beige
	Orange
Test adapter	
	Standard
	With spigot
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZAP/TW ZT2.5/4AN/2		50	<b>1816070000</b>
ZAP/TW ZT2.5/4AN/2 OR		50	<b>1816080000</b>
ZTA ZT2.5		25	<b>1827080000</b>
ZTA ZT2.5/ZA		25	<b>1847600000</b>
ZVR ZP2.5		25	<b>1816130000</b>
KOSF ZT2.5		50	<b>1816150000</b>
ZZE ZP2.5		25	<b>1816140000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Type	current	Qty.	Order No.
ZAP/TW ZT2.5/4AN/4		50	<b>1816090000</b>
ZTA ZT2.5		25	<b>1827080000</b>
ZTA ZT2.5/ZA		25	<b>1847600000</b>
ZVR ZP2.5		25	<b>1816130000</b>
KOSF ZT2.5		50	<b>1816150000</b>
ZZE ZP2.5		25	<b>1816140000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

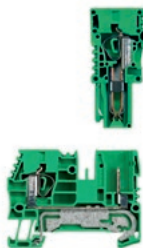
For detailed information on other accessories and application in the online catalogue



ZTPE 4/2AN/1

4 mm<sup>2</sup>

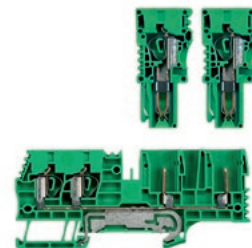
1 tension clamp connection / 1 pluggable connection



ZTPE 4/4AN/2

4 mm<sup>2</sup>

2 tension clamp connections / 2 pluggable connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated short-time current	
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

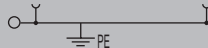
Ordering data

Version	green/yellow
Note	

Accessories

End plate / Partition plate	dark beige Orange
Test adapter	Standard
Miscellaneous accessories WeiCoS	Locking element Coding element Strain relief
Screwdriver	Standard
Identification systems	
DIN A4 sheets	Paper
Protective strip	

6.5 x 58 x 43
/ 6
0.13...6



IEC 61984, In accordance with IEC 60947-7-1

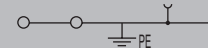
IEC	UL	CSA	EN 60079-7
500			
800			
480 (4 mm <sup>2</sup> )			
4	AWG 26...10	AWG 26...10	
	/ 3		
	A3 / V-0		

CE	
Rated connection	Plug-in connection
0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

Type	Qty.	Order No.
ZTPE 4/2AN/1	50	1854970000

Type	current	Qty.	Order No.
ZAP/TW ZT4/2AN		50	1855220000
ZAP/TW ZT4/2AN OR		50	1855230000
ZTA ZT2.5		25	1827080000
ZVR ZP4		25	1855250000
KOSF ZT4		50	1856860000
ZZE ZP4		25	1855260000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
ESO 7 DIN A4 WS		10	1607720000
STR 7 F.SCHT 7		20	0515300000

6.5 x 100.5 x 43
/ 6
0.13...6



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
800			
480 (4 mm <sup>2</sup> )			
4	AWG 26...10	AWG 26...10	
	/ 3		
	A3 / V-0		

CE	
Rated connection	Plug-in connection
0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZTPE 4/4AN/2	50	1848330000

Type	current	Qty.	Order No.
ZTA ZT2.5		25	1827080000
ZVR ZP4		25	1855250000
KOSF ZT4		50	1856860000
ZZE ZP4		25	1855260000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS		600	1828450000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
ESO 7 DIN A4 WS		10	1607720000
STR 7 F.SCHT 7		20	0515300000

For detailed information on other accessories and application in the online catalogue

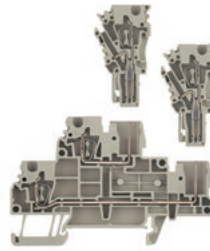
**Spring connection with tension clamp technology (Z-Series)**  
**Pluggable terminal blocks**



**ZDT 2.5/2**

**2.5 mm<sup>2</sup>**

Two potentials feasible



**ZDT 2.5/2 V**

**2.5 mm<sup>2</sup>**

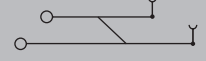


Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 80.5 x 52
<b>24 / 4</b>
<b>0.13...4</b>



5.1 x 80.5 x 52
<b>24 / 4</b>
<b>0.13...4</b>



**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
690			
24			
2.5			
	6 kV / 3		
	A2 / V-0		

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

**Ordering data**

	dark beige
	blue
Plug-in connector	
Note	

Type	Qty.	Order No.
ZDT 2.5/2	50	<b>1815150000</b>
ZDT 2.5/2 BL	50	<b>1348970000</b>

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	<b>1815190000</b>
ZP 2.5/1AN/QV/2	25	<b>1815200000</b>
ZP 2.5/1AN/QV/3	25	<b>1815210000</b>
ZP 2.5/1AN/QV/4	25	<b>1815220000</b>
ZP 2.5/1AN/QV/5	25	<b>1815230000</b>
ZP 2.5/1AN/QV/6	25	<b>1815240000</b>
ZP 2.5/1AN/QV/7	25	<b>1815250000</b>
ZP 2.5/1AN/QV/8	20	<b>1815260000</b>
ZP 2.5/1AN/QV/9	20	<b>1815270000</b>
ZP 2.5/1AN/QV/10	20	<b>1815280000</b>

Type	Qty.	Order No.
ZDT 2.5/2 V	50	<b>1084770000</b>
ZDT 2.5/2 V BL	50	<b>1348950000</b>

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	<b>1815190000</b>
ZP 2.5/1AN/QV/2	25	<b>1815200000</b>
ZP 2.5/1AN/QV/3	25	<b>1815210000</b>
ZP 2.5/1AN/QV/4	25	<b>1815220000</b>
ZP 2.5/1AN/QV/5	25	<b>1815230000</b>
ZP 2.5/1AN/QV/6	25	<b>1815240000</b>
ZP 2.5/1AN/QV/7	25	<b>1815250000</b>
ZP 2.5/1AN/QV/8	20	<b>1815260000</b>
ZP 2.5/1AN/QV/9	20	<b>1815270000</b>
ZP 2.5/1AN/QV/10	20	<b>1815280000</b>

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
Test adapter	
	Standard
	With spigot
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	<b>1693800000</b>
ZQV 2.5N/10 GE	24 A	20	<b>1693880000</b>

Type	Qty.	Order No.
ZAP/TW ZDT2.5/2	50	<b>1816110000</b>

Type	Qty.	Order No.
ZTA ZT2.5	25	<b>1827080000</b>
ZTA ZT2.5/ZA	25	<b>1847600000</b>

Type	Qty.	Order No.
ZVR ZP2.5	25	<b>1816130000</b>
KOSF ZT2.5	50	<b>1816150000</b>
ZZE ZP2.5	25	<b>1816140000</b>

Type	Qty.	Order No.
SDIS SL 0.6X3.5X100	1	<b>1274660000</b>

Type	Qty.	Order No.
DEK 5/5 MC NE WS	1000	<b>1609801044</b>
DEK 5/5 MM WS	800	<b>2007110000</b>
WS 8/5 MM WS	800	<b>2007150000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	<b>1693800000</b>
ZQV 2.5N/10 GE	24 A	20	<b>1693880000</b>

Type	Qty.	Order No.
ZAP/TW ZDT2.5/2	50	<b>1816110000</b>

Type	Qty.	Order No.
ZTA ZT2.5	25	<b>1827080000</b>
ZTA ZT2.5/ZA	25	<b>1847600000</b>

Type	Qty.	Order No.
ZVR ZP2.5	25	<b>1816130000</b>
KOSF ZT2.5	50	<b>1816150000</b>
ZZE ZP2.5	25	<b>1816140000</b>

Type	Qty.	Order No.
SDS 0.6X3.5X100	1	<b>9008330000</b>

Type	Qty.	Order No.
DEK 5/5 MC NE WS	1000	<b>1609801044</b>
DEK 5/5 MM WS	800	<b>2007110000</b>
WS 8/5 MM WS	800	<b>2007150000</b>

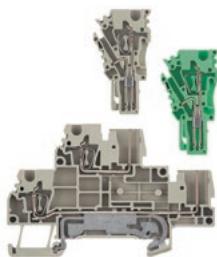
For detailed information on other accessories and application in the online catalogue

ZQV 2.5/1.5 (1720700000) connects the upper and lower layer.

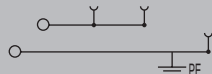
ZDT 2.5/2 DU-PE

2.5 mm<sup>2</sup>

Phase - PE conductor



5.1 x 80.5 x 52  
24 / 4  
0.13...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
6 kV / 3			
A2 / V-0			

CE, RoHS, REACH

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDT 2.5/2 DU-PE	50	1815160000

Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZAP/TW ZDT2.5/2		50	1816110000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layer.



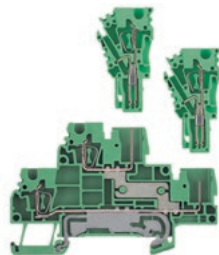
## Spring connection with tension clamp technology (Z-Series)

### Pluggable terminal blocks

ZDT 2.5/2 PE

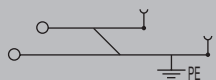
2.5 mm<sup>2</sup>

2 tension clamp connections / 2 pluggable connections



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 80.5 x 52  
/ 4  
0.13...4



#### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated short-time current	
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
690			
300 (2.5 mm <sup>2</sup> )			
2.5	AWG 26...12		
	/ 3		
	A2 / V-0		



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

**Note**

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

#### Ordering data

Version	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
ZDT 2.5/2 PE	50	1815170000

#### Accessories

End plate / Partition plate	
	dark beige
Test adapter	
	Standard
	With spigot
Miscellaneous accessories WeiCoS	
	Locking element
	Coding element
	Strain relief
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
ZAP/TW ZDT2.5/2		50	1816110000
ZTA ZT2.5		25	1827080000
ZTA ZT2.5/ZA		25	1847600000
ZVR ZP2.5		25	1816130000
KOSF ZT2.5		50	1816150000
ZZE ZP2.5		25	1816140000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

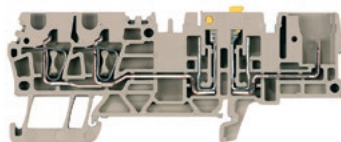
For detailed information on other accessories and application in the online catalogue



ZTTR 2.5

2.5 mm<sup>2</sup>

2 tension clamp connections / 1 pluggable connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 87 x 36
<b>18 / 4</b>
<b>0.13...4</b>

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
16	16	16	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

**Note**

CSA current and voltage, acc. to Gr. B

Ordering data

Version	dark beige
	without isolator, dark beige
Note	

Type	Qty.	Order No.
ZTTR 2.5	50	<b>1865510000</b>
ZTTR 2.5 0.TNHE	50	<b>1905470000</b>

Please contact customer support when planning your installation with SIHA.

Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max, 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	removable, as replacement for release lever
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	<b>1693800000</b>
ZQV 2.5N/10 GE	24 A	20	<b>1693880000</b>
ZAP/TW ZTTR2.5		50	<b>1865520000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
PS 2.3 RT		20	<b>0180400000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

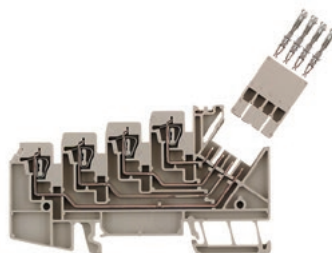
For detailed information on other accessories and application in the online catalogue

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.



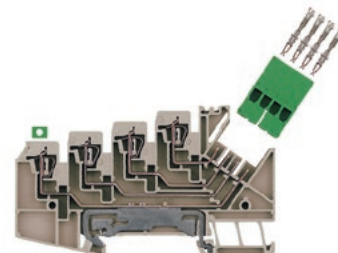
**ZRV 1.5** **1.5 mm<sup>2</sup>**

Base terminal - plug



**ZRV 1,5/PE** **1.5 mm<sup>2</sup>**

Base terminal - plug



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 89.5 x 52	
/ 2.5	
0.13...2.5	

5.1 x 89.5 x 52	
/ 2.5	
0.13...2.5	

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
63	150		
4	10		
1.5	AWG 26...14		
		1.5 kV / 3	
		A1 / V-0	

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
63	150		
4	10		
1.5	AWG 26...14		
		1.5 kV / 3	
		A1 / V-0	

Rated connection		Plug-in connection	
0.5...2.5			
0.5...2.5 / 0.5...1.5			
8 / 0.6 x 3.5 mm			

Rated connection		Plug-in connection	
0.5...2.5			
0.5...2.5 / 0.5...1.5			
8 / 0.6 x 3.5 mm			

Note

**Ordering data**

Version	
	Base terminal

Type	Qty.	Order No.
ZRV 1.5	50	1698160000

Type	Qty.	Order No.
ZRV 1.5/PE	50	1698170000

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
STGH plug housing	
	With spigot
	Without peg
Crimp contacts	
	Reel packaged
	Reel packaged
	Reel packaged
	Single contacts
	Single contacts
	Single contacts
Test adapter	
	Plug housing black
	Black plug enclosure
End plate / Partition plate	
	beige Wemid
	dark brown
Tools	
	Crimping tool
	Mounting tool
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
STGH 4 ZRV1.5		50	1698190000
DFFC 0.2-0.35 ZRV1.5		500	1705310000
DFFC .5-1.0 ZRV1.5		500	1705320000
AP ZRV1.5 DB		10	1698180000
HTF ZRV		1	9014840000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

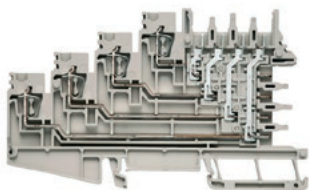
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
STGH 4 ZRV1.5/PE GN		50	1698200000
DFFC 0.2-0.35 ZRV1.5		500	1705310000
DFFC .5-1.0 ZRV1.5		500	1705320000
AP ZRV1.5 DB		10	1698180000
HTF ZRV		1	9014840000
DEK 5/5 MC NE WS		1000	1609801044
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

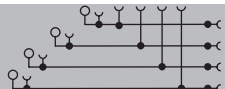


ZRV 2.5/2

2.5 mm<sup>2</sup>



5.2 x 115 x 69.5  
10 / 4  
0.21...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
2.5	AWG 24...14	AWG 26...14	
4 kV / 3 A2 / V-0			

® **AFK**

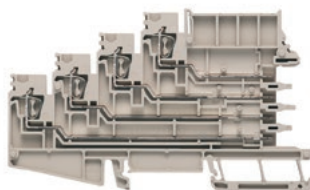
Rated connection	Plug-in connection
0.5...4 / 0.5...4	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZRV 2.5/2	50	1906970000

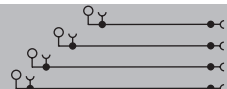
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
STGH ZRV2.5		50	1907000000
STGH O.ZA ZRV2.5		50	1907010000
FEKO ZRV2.5 0.2-0.35		5000	1854750000
FEKO ZRV2.5 0.5-1		5000	1854760000
FEKO ZRV2.5 1.5-2.5		4200	1848480000
FEKO ET ZRV2.5 0.2-0.35		500	1893940000
FEKO ET ZRV2.5 0.5-1		500	1893970000
FEKO ET ZRV2.5 1.5-2.5		500	1893990000
STGH O.R/SW ZRV2.5		25	1898420000
STGH O.ZA/O.R/SW ZRV2.5		25	1898430000
AP ZRV2.5		10	1906980000
HTF AFK 2.5		1	9201040000
Removal Tool AFK		1	1866760000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

ZRV 2.5/1

2.5 mm<sup>2</sup>



5.2 x 115 x 69.5  
/ 4  
0.5...4



IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
10	10		
2.5	AWG 24...14		
4 kV / 3 /V-0			

® **AFK**

Rated connection	Plug-in connection
0.5...4	
0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZRV 2.5/1	50	1906960000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
STGH ZRV2.5		50	1907000000
STGH O.ZA ZRV2.5		50	1907010000
FEKO ZRV2.5 0.2-0.35		5000	1854750000
FEKO ZRV2.5 0.5-1		5000	1854760000
FEKO ZRV2.5 1.5-2.5		4200	1848480000
FEKO ET ZRV2.5 0.2-0.35		500	1893940000
FEKO ET ZRV2.5 0.5-1		500	1893970000
FEKO ET ZRV2.5 1.5-2.5		500	1893990000
STGH O.R/SW ZRV2.5		25	1898420000
STGH O.ZA/O.R/SW ZRV2.5		25	1898430000
AP ZRV2.5		10	1906980000
HTF AFK 2.5		1	9201040000
Removal Tool AFK		1	1866760000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000



**Spring connection with tension clamp technology (Z-Series)**  
**Pluggable terminal blocks**

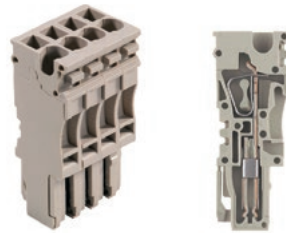
Universal range

A

**ZP 2.5/1AN**

2.5 mm<sup>2</sup>

1...17-pole

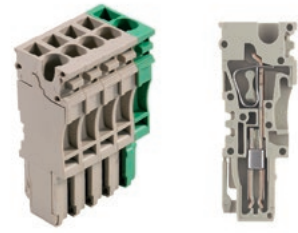


**ZP 2.5/1AN/GN/BE**

2.5 mm<sup>2</sup>

2 to 17-pole

Connectors each with one green pole



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 16.5 x 41
<b>24 / 4</b>
<b>0.13...4</b>

51 x 16 x 41
<b>24 / 4</b>
<b>0.13...4</b>

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
6 kV / 3			
A2 / V-0			
Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
6 kV /			
A2 / V-0			
Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

**Ordering data**

Version	
1-pin	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
11-pin	
12-pin	
13-pin	
14-pin	
15-pin	
16-pin	
17-pin	
1-pin (green)	
Note	

Type	Qty.	Order No.
ZP 2.5/1AN/1	50	1815430000
ZP 2.5/1AN/2	25	1815440000
ZP 2.5/1AN/3	25	1815450000
ZP 2.5/1AN/4	25	1815500000
ZP 2.5/1AN/5	25	1815510000
ZP 2.5/1AN/6	25	1815520000
ZP 2.5/1AN/7	25	1815530000
ZP 2.5/1AN/8	20	1815540000
ZP 2.5/1AN/9	20	1815550000
ZP 2.5/1AN/10	20	1815560000
ZP 2.5/1AN/11	20	1815570000
ZP 2.5/1AN/12	20	1815580000
ZP 2.5/1AN/13	10	1815590000
ZP 2.5/1AN/14	10	1815600000
ZP 2.5/1AN/15	10	1815610000
ZP 2.5/1AN/16	10	1815620000
ZP 2.5/1AN/17	10	1815180000
ZP 2.5/1AN/1 GN	50	1820580000
Note		

Type	Qty.	Order No.
ZP 2.5/1AN/2 GN/BE	25	1867090000
ZP 2.5/1AN/3 GN/BE	25	1867100000
ZP 2.5/1AN/4 GN/BE	25	1867110000
ZP 2.5/1AN/5 GN/BE	25	1867120000
ZP 2.5/1AN/6 GN/BE	25	1867130000
ZP 2.5/1AN/7 GN/BE	25	1867140000
ZP 2.5/1AN/8 GN/BE	20	1867150000
ZP 2.5/1AN/9 GN/BE	20	1867160000
ZP 2.5/1AN/10 GN/BE	20	1867170000
ZP 2.5/1AN/11 GN/BE	20	1867180000
ZP 2.5/1AN/12 GN/BE	20	1867190000
ZP 2.5/1AN/13 GN/BE	10	1867200000
ZP 2.5/1AN/14 GN/BE	10	1867210000
ZP 2.5/1AN/15 GN/BE	10	1867220000
ZP 2.5/1AN/17 GN/BE	10	1867240000
Note		

**Accessories**

Pluggable cross-connection	
2-pole	
10-pole	
Test adapter	
Standard	
Screwdriver	
Standard	
Identification systems	

Type	current	Qty.	Order No.
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

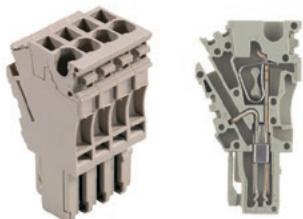
Type	current	Qty.	Order No.
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

ZP 2.5/1AN/QV

2.5 mm<sup>2</sup>

1...17-pole



5.1 x 23 x 41  
24 / 4  
0.13...4

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
			6 kV / A2 / V-0



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

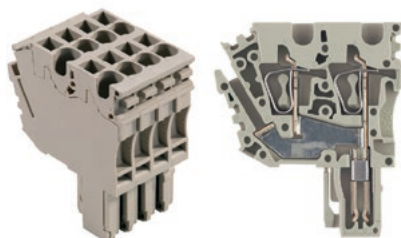
Type	Qty.	Order No.
ZP 2.5/1AN/QV/1	50	1815190000
ZP 2.5/1AN/QV/2	25	1815200000
ZP 2.5/1AN/QV/3	25	1815210000
ZP 2.5/1AN/QV/4	25	1815220000
ZP 2.5/1AN/QV/5	25	1815230000
ZP 2.5/1AN/QV/6	25	1815240000
ZP 2.5/1AN/QV/7	25	1815250000
ZP 2.5/1AN/QV/8	20	1815260000
ZP 2.5/1AN/QV/9	20	1815270000
ZP 2.5/1AN/QV/10	20	1815280000
ZP 2.5/1AN/QV/11	20	1815290000
ZP 2.5/1AN/QV/12	20	1815300000
ZP 2.5/1AN/QV/13	10	1815310000
ZP 2.5/1AN/QV/14	10	1815320000
ZP 2.5/1AN/QV/15	10	1815330000
ZP 2.5/1AN/QV/16	10	1815340000
ZP 2.5/1AN/QV/17	10	1815350000
ZP 2.5/1AN/QV/1 GN	50	1820570000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZP 2.5/2AN/QV

2.5 mm<sup>2</sup>

1...16-pole



5.1 x 23 x 41  
24 / 4  
0.13...4

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	20	20	
2.5	AWG 26...12		
			6 kV / 3 A2 / V-0



Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZP 2.5/2AN/QV/1	50	1815730000
ZP 2.5/2AN/QV/2	20	1815740000
ZP 2.5/2AN/QV/3	20	1815750000
ZP 2.5/2AN/QV/4	20	1815760000
ZP 2.5/2AN/QV/5	20	1815770000
ZP 2.5/2AN/QV/6	20	1815780000
ZP 2.5/2AN/QV/7	20	1815790000
ZP 2.5/2AN/QV/8	10	1815800000
ZP 2.5/2AN/QV/9	10	1815810000
ZP 2.5/2AN/QV/10	10	1815820000
ZP 2.5/2AN/QV/11	10	1815830000
ZP 2.5/2AN/QV/12	10	1815840000
ZP 2.5/2AN/QV/15	5	1815870000
ZP 2.5/2AN/QV/16	5	1815880000
ZP 2.5/2AN/QV/1 GN	50	1820590000

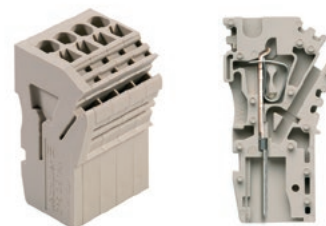
Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZPS 2.5/1AN/QV

2.5 mm<sup>2</sup>

2 to 16-pole

Connectors each with one green pole



5.1 x 41 x 42  
24 / 4  
0.13...4

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
690			
24	24	20	
2.5	AWG 26...12		AWG 26...12
			6 kV / 3 A2 / V-0



Rated connection	Plug-in connection
0.13...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

CSA voltage / current Gr. C 300 V / 20 A Gr. D 600 V / 5 A

Type	Qty.	Order No.
ZPS 2.5/1AN/QV/1	50	1865880000
ZPS 2.5/1AN/QV/2	20	1865900000
ZPS 2.5/1AN/QV/3	20	1865910000
ZPS 2.5/1AN/QV/4	20	1865920000
ZPS 2.5/1AN/QV/5	20	1865930000
ZPS 2.5/1AN/QV/6	25	1865940000
ZPS 2.5/1AN/QV/7	20	1865950000
ZPS 2.5/1AN/QV/8	10	1865960000
ZPS 2.5/1AN/QV/9	10	1865970000
ZPS 2.5/1AN/QV/10	10	1865980000
ZPS 2.5/1AN/QV/12	10	1866000000
ZPS 2.5/1AN/QV/14	10	1866070000
ZPS 2.5/1AN/QV/15	10	1866030000
ZPS 2.5/1AN/QV/16	10	1866040000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
ZTA ZT2.5		25	1827080000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.



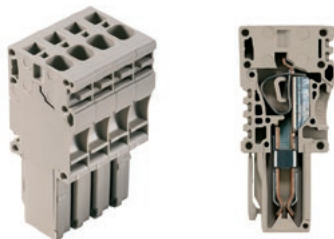
# Spring connection with tension clamp technology (Z-Series)

## Pluggable terminal blocks

### ZP 4/1AN

4 mm<sup>2</sup>

1...16-pole



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.5 x 22.5 x 47.5
<b>32 / 6</b>
<b>0.13...6</b>

### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
800	600	600	
32	28	28	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A3 / V-0		

CE

Rated connection	Plug-in connection
0.5...6	
0.5...6 / 0.5...4	
12 / 0.6 x 3.5 mm	

### Note

CSA current and voltage, acc. to Gr. C

### Ordering data

Version	
1-pin	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
11-pin	
12-pin	
13-pin	
14-pin	
15-pin	
16-pin	
17-pin	
1-pin (green)	

Type	Qty.	Order No.
ZP 4/1AN/1	50	1848340000
ZP 4/1AN/2	25	1854990000
ZP 4/1AN/3	25	1855000000
ZP 4/1AN/4	25	1855010000
ZP 4/1AN/5	20	1855020000
ZP 4/1AN/6	20	1855030000
ZP 4/1AN/7	20	1855040000
ZP 4/1AN/8	20	1855050000
ZP 4/1AN/9	10	1855060000
ZP 4/1AN/10	10	1855070000
ZP 4/1AN/11	20	1855080000
ZP 4/1AN/12	10	1855090000
ZP 4/1AN/13	10	1855100000
ZP 4/1AN/14	10	1855110000

### Note

ZP 4/1AN/1 GN	50	1854980000
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### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
Test adapter	
	Standard
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/6 MC NE WS		600	1828450000

For detailed information on other accessories and application in the online catalogue



**Spring connection with tension clamp technology (Z-Series)  
Pluggable terminal blocks – WeiCoS accessories**

**Single plates for individual assembly**

The WeiCoS individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).

**WeiCoS plug**

- Marking option



**ZP 2.5/1AN ZA**

End plate



Type	Qty.	Order No.
ZP 2.5/1AN ZA	50	1875190000
ZP 2.5/1AN ZA BL	50	1009070000
ZP 2.5/1AN ZA GN	50	1875200000
ZP 4/1AN ZA	50	1051940000
ZP 4/1AN ZA BL	50	1356790000
ZP 4/1AN ZA GN	50	1051950000

**ZP 2.5/1AN ZA O.RA**

Middle plate or end plate



Type	Qty.	Order No.
ZP 2.5/1AN ZA O.RA	50	1875210000
ZP 2.5/1AN ZA O.RA BL	50	1972980000
ZP 2.5/1AN ZA O.RA GN	50	1875220000
ZP 4/1AN ZA O.RA	50	1051910000
ZP 4/1AN ZA O.RA BL	50	2449680000

**ZP 2.5/1AN**

Start plate



Type	Qty.	Order No.
ZP 2.5/1AN	50	1875150000
ZP 2.5/1AN BL	50	1009060000
ZP 2.5/1AN GN	50	1875180000
ZP 4/1AN	50	1051970000
ZP 4/1AN BL	50	1321720000
ZP 4/1AN GN	50	1051980000

Ordering data		
2,5 mm <sup>2</sup>	dark beige	
	blue	
	green	
4,0 mm <sup>2</sup>	dunkelbeige	
	blue	
	green	
Note		

**WeiCoS plug**

- Marking option
- Cross-connection option

**ZP 2.5/1AN/QV ZA**

End plate



Type	Qty.	Order No.
ZP 2.5/1AN/QV ZA	50	1007930000
ZP 2.5/1AN/QV ZA GN	50	1007950000

**ZP 2.5/1AN/QV ZA O.RA**

Middle plate or end plate



Type	Qty.	Order No.
ZP 2.5/1AN/QV ZA O.RA	50	1007960000
ZP 2.5/1AN/QV ZA O.RA BL	50	1007970000
ZP 2.5/1AN/QV ZA O.RA GN	50	1007980000

**ZP 2.5/1AN/QV**

Start plate



Type	Qty.	Order No.
ZP 2.5/1AN/QV	50	1007900000
ZP 2.5/1AN/QV GN	50	1007920000

Ordering data		
2,5 mm <sup>2</sup>	dark beige	
	blue	
	green	
Note		

**WeiCoS coupling**

- Marking option
- Cross-connection option

**ZPS 2.5/1AN/QV/1**

Individual plate



Type	Qty.	Order No.
ZPS 2.5/1AN/QV/1	50	1861040000
ZPS 2.5/1AN/QV/1 GN	50	1861050000

**GHDE ZPS2.5/1AN**

Cover



Type	Qty.	Order No.
GHDE ZPS2.5/1AN	50	1866070000

**Application**



Ordering data		
2,5 mm <sup>2</sup>	dark beige	
	green	
Note		

### Coding elements

- For specific coding of the plug-in stations
- Protection against accidental mistake ensures process reliability

Ordering data	
	2.5 mm <sup>2</sup>
	4.0 mm <sup>2</sup>
Note	

### KOSF ZT

#### Coding element



Type	Qty.	Order No.
KOSF ZT2.5	50	1816150000
KOSF ZT4	50	1856860000
Note		

### Application



### Interlock

- ZVR ZP to interlock with the terminal block
- ZVR ZPS interlock, plug - socket

Ordering data	
	2.5 mm <sup>2</sup>
	4.0 mm <sup>2</sup>
Note	

### ZVR ZP 2.5

#### Locking element



Type	Qty.	Order No.
ZVR ZP2.5	25	1816130000
ZVR ZP4	25	1855250000
Note		

### ZVR ZPS 2.5

#### Interlock



Type	Qty.	Order No.
ZVR ZPS2.5	20	1878620000
Note		

### Application ZVR ZP



### Strain reliefs / Protective cover

- ZZE ZP a strain relief transmits mechanical forces to the plastic housing and protects the contact point
- ZAD ZT / ZPS Finger protection  
Protection of the contact point from dirt

Ordering data	
	2.5 mm <sup>2</sup>
	4.0 mm <sup>2</sup>
Note	

### ZZE ZP

#### Cable grip



Type	Qty.	Order No.
ZZE ZP2.5	25	1816140000
ZZE ZP2.5/4	25	1866220000
ZZE ZP2.5/8	25	1866230000
ZZE ZP4	25	1855260000
Note		

### ZAD ZT / ZPS

#### Protective cover

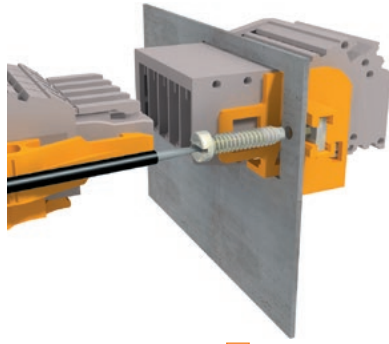
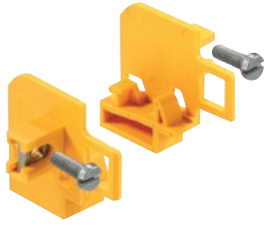


Type	Qty.	Order No.
ZAD ZT/ZPS2.5	25	1861030000
Note		

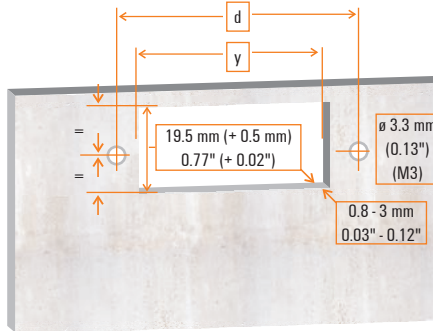
### Application ZZE ZP



Screwed through-wall fixing



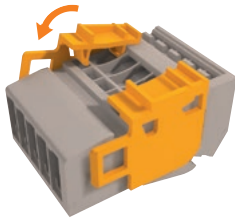
Type	Qty.	Order No.
ZVLA DF ZPS2.5	20	1878600000



$$y = n \times 5.1 \text{ mm} + 5.5 \text{ mm} \quad y = n \times 0.25" + 0.216"$$

$$d = n \times 5.1 \text{ mm} + 13.5 \text{ mm} \quad d = n \times 0.25" + 0.53"$$

Pluggable terminal blocks

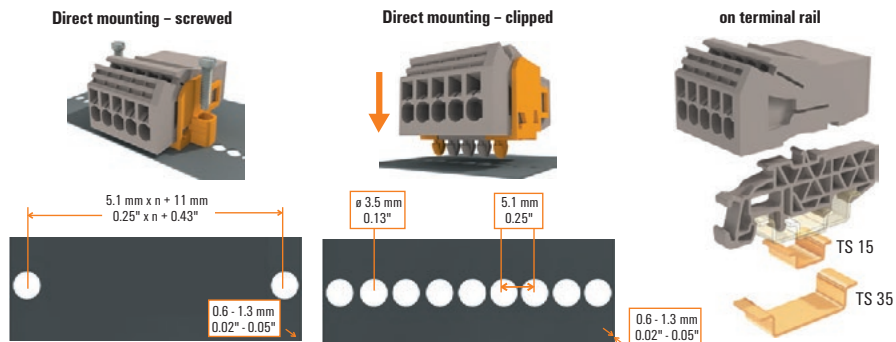


Plug-in connector system with an infinite number of combinations - but always with the same fitting method.

n-pol.	y		d	
	mm	inch(")	mm	inch(")
2-pol.	15.7	0.62	23.7	0.93
3-pol.	20.8	0.82	28.8	1.13
4-pol.	25.9	1.02	33.9	1.33
5-pol.	31.0	1.22	38.9	1.53
6-pol.	36.1	1.42	44.1	1.74
7-pol.	41.2	1.62	49.2	1.94
8-pol.	46.3	1.82	54.3	2.14
9-pol.	51.4	2.02	59.4	2.34
10-pol.	56.5	2.22	64.5	2.55
11-pol.	61.6	2.43	69.6	2.74
12-pol.	66.7	2.63	74.7	2.94
13-pol.	71.8	2.83	79.8	3.14
14-pol.	76.9	3.03	84.9	3.34
15-pol.	82.0	3.23	90.0	3.54
16-pol.	87.1	3.43	95.1	3.74



Set of fixings – coupling



Direct mounting, screwed

ZVLA SC ZPS 2.5



Plug support prevents the cable from bending at the connection point

BA ZPS 2.5



Ordering data
Note

Type	Qty.	Order No.
ZVLA SC ZPS2.5	20	1866240000

Ordering data
Note

Type	Qty.	Order No.
BA ZPS2.5	25	1908550000

Direct mounting, plugged

ZVLA RC ZPS 2.5



BA RC ZPS 2.5



Ordering data
Note

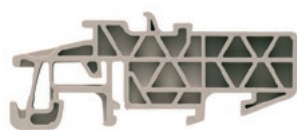
Type	Qty.	Order No.
ZVLA RC ZPS2.5	20	1866260000

Ordering data
Note

Type	Qty.	Order No.
BA RC ZPS2.5	25	1908560000

on terminal rail

MOFU 15/35 ZPS 2.5



Ordering data
Note

Type	Qty.	Order No.
MOFU 15/35 ZPS2.5	25	1899170000



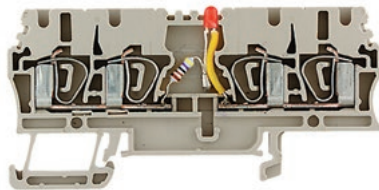
## Spring connection with tension clamp technology (Z-Series)

### Terminal blocks with electronic components

#### ZDU 2.5/2x2AN/LD+

2.5 mm<sup>2</sup>

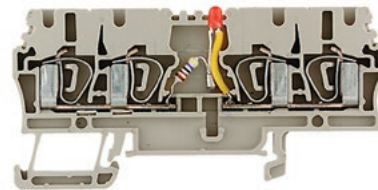
LED indicator



#### ZDU 2.5/2x2AN/LD-

2.5 mm<sup>2</sup>

LED indicator



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 79.5 x 38.5	/ 4	
<b>0.05...4</b>		

5.1 x 79.5 x 38.5	/ 4	
<b>0.05...4</b>		

#### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
24			
0.05			
2.5			
	6 kV / 3		
	A3 / V-0		
CE EMC			
Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
24			
0.05			
2.5			
	6 kV / 3		
	A3 / V-0		
CE EMC			
Rated connection		Plug-in connection	
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			

**Note**

#### Ordering data

Version	
	dark beige
	dark beige (red LED)
<b>Note</b>	

Type	Qty.	Order No.
ZDU 2.5/2X2AN/LD+	20	<b>1692590000</b>

Type	Qty.	Order No.
ZDU 2.5/2X2AN/LD-	20	<b>1692600000</b>

#### Accessories

<b>End plate / Partition plate</b>	dark beige
<b>Reducing sleeves</b>	For conductors < 1.0 mm <sup>2</sup> / AWG 18 For conductors < 0.5 mm <sup>2</sup> / AWG 20
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZAP/TW 3		50	<b>1608800000</b>
ZRH 2.5/2 GR/V0		1000	<b>1614290000</b>
ZRH 2.5/1 WS		1000	<b>1614300000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

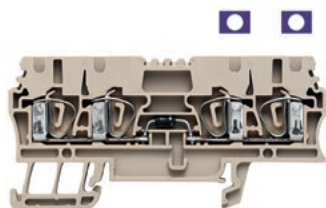
Type	current	Qty.	Order No.
ZAP/TW 3		50	<b>1608800000</b>
ZRH 2.5/2 GR/V0		1000	<b>1614290000</b>
ZRH 2.5/1 WS		1000	<b>1614300000</b>
ZEW 35		20	<b>9540000000</b>
SDIS SL 0.6X3.5X100		1	<b>1274660000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

ZDU 2.5/2x2AN/D+

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.5 x 38.5  
/ 4  
0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
	6 kV / 3		
	A3 / V-0		

CE III

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZDU 2.5/2X2AN/D+	20	1650340000

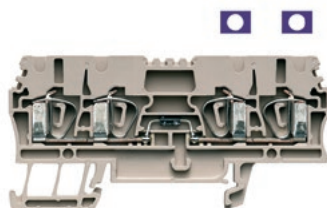
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZRH 2.5/2 GR/VO		1000	1614290000
ZRH 2.5/1 WS		1000	1614300000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

ZDU 2.5/2x2AN/D-

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.5 x 38.5  
/ 4  
0.5...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
	6 kV / 3		
	A3 / V-0		

CE III

Rated connection	Plug-in connection
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZDU 2.5/2X2AN/D-	20	1650350000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A

Type	current	Qty.	Order No.
ZAP/TW 3		50	1608800000
ZRH 2.5/2 GR/VO		1000	1614290000
ZRH 2.5/1 WS		1000	1614300000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000



# Spring connection with tension clamp technology (Z-Series)

## Terminal blocks with electronic components

Universal range

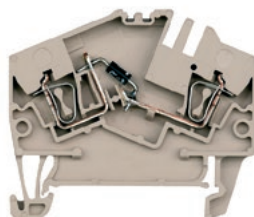
A



### ZDU 2.5-2/D+

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 50.5 x 43.5  
/ 2.5  
0.05...2.5



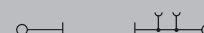
### ZDU 2.5-2 0.EL

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 50.5 x 43.5  
/ 2.5  
0.05...2.5



Width/Height/Depth mm  
max. current / max. cond. cross-section -/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

### Ordering data

Version	
	dark beige
	dark beige (red LED)
	orange
<b>Note</b>	

### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	Blue
	dark beige
<b>End bracket</b>	
	dark beige
<b>Test adapter</b>	
	With spigot
<b>Screwdriver</b>	
	Standard
<b>Reducing sleeves</b>	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Identification systems</b>	
<b>Cover</b>	
	With lightning flash symbol

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	600	
1	1	1	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

CE ENEC (UK) (K) (E) (S) (T) (C) (D) (F) (G) (I) (L) (N) (P) (R) (S) (U) (V) (W) (X) (Y) (Z)

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDU 2.5-2/D+	20	1779110000
<b>Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A</b>		

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
1			
2.5			
	6 kV / 3		
	A2 / V-0		

CE ENEC

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

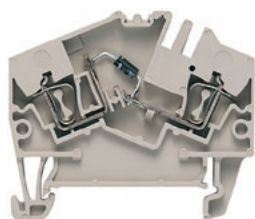
Type	Qty.	Order No.
ZDU 2.5-2 0.EL	20	1868870000

For detailed information on other accessories and application in the online catalogue

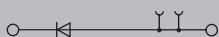
**ZDU 2.5-2/D-**

**2.5 mm<sup>2</sup>**

Diode circuit



5.1 x 50.5 x 43.5  
/ 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	600	
1	1	1	
2.5	AWG 26...12	AWG 26...12	
	6 kV / 3		
	A2 / V-0		



Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

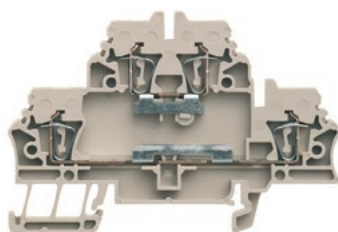
Type	Qty.	Order No.
ZDU 2.5-2/D-	20	1779000000
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW7		50	1706110000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 14/5 MC NE WS		480	1768090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

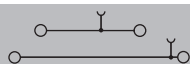
**ZDK 2.5 EM**

**2.5 mm<sup>2</sup>**

Double-level terminal



5.1 x 79.5 x 53  
20 / 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	275
20	15	25	18
2.5	AWG 26...14	AWG 26...12	2.5 mm <sup>2</sup>
	6 kV / 3		
	A2 / V-0		



Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5 EM	50	1768800000
ZDK 2.5 OR	50	1694140000
Empty electronics enclosure for do-it-yourself soldering of components.		

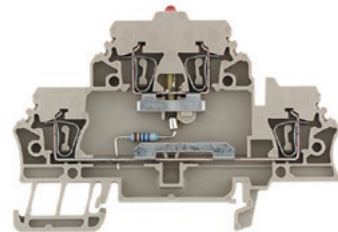
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5 BL		20	1748800000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

ZQV 2.5/1.5 (1720700000) connects the upper and lower layer.

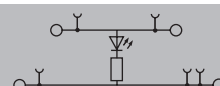
**ZDK 2.5/LD RT/1**

**2.5 mm<sup>2</sup>**

LED circuit



5.1 x 79.1 x 53  
/ 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5	AWG 26...14	AWG 26...12	
	/ 3		
	A2 / V-0		



Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible conductors with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/LD RT/1	50	1690010000
Voltage on the continuous busbar = 10 A		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000



# Spring connection with tension clamp technology (Z-Series)

## Terminal blocks with electronic components

Universal range

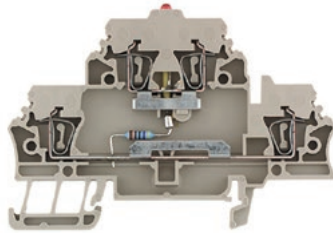
A



### ZDK 2.5/LD RT/2

2.5 mm<sup>2</sup>

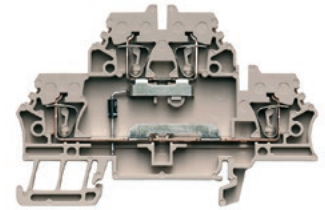
LED circuit



### ZDK 2.5/D/1

2.5 mm<sup>2</sup>

Diode circuit



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 79.1 x 53	
/ 2.5	
0.05...2.5	

5.1 x 79.1 x 53	
/ 2.5	
0.05...2.5	

### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
24			
10			
2.5	AWG 26...14	AWG 26...12	
	/ 3		
	A2 / V-0		
CE			
Rated connection		Plug-in connection	
0.5...2.5			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible conductors with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
	6 kV / 3		
	A2 / V-0		
CE			
Rated connection		Plug-in connection	
0.5...2.5			
0.5...2.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.			

### Ordering data

Version	
	dark beige
	dark beige (red LED)
	orange
Note	

Type	Qty.	Order No.
ZDK 2.5/LD RT/2	50	1693940000
Voltage on the continuous busbar = 10 A		

Type	Qty.	Order No.
ZDK 2.5/D/1	50	1690020000
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A		

### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	Blue
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Identification systems	
Cover	
	With lightning flash symbol

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

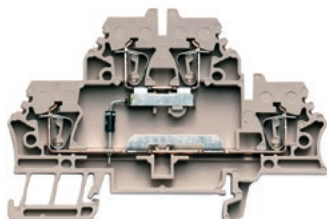
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

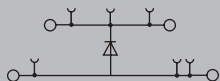
ZDK 2.5/D/2

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.1 x 53  
/ 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
6 kV / 3 A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/2	50	1690030000

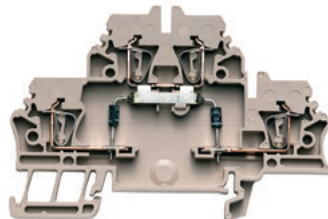
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1	1000		1678810000
ZRH 1.5H/2	1000		1678800000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

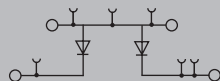
ZDK 2.5/D/4

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.1 x 53  
/ 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
6 kV / 3 A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/4	50	1690040000

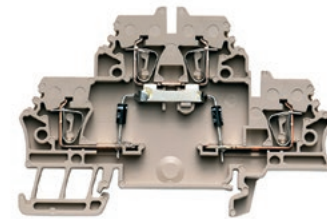
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1	1000		1678810000
ZRH 1.5H/2	1000		1678800000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

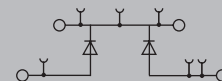
ZDK 2.5/D/5

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 79.1 x 53  
/ 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
6 kV / 3 A2 / V-0			

CE

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/D/5	50	1690050000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1	1000		1678810000
ZRH 1.5H/2	1000		1678800000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000



# Spring connection with tension clamp technology (Z-Series)

## Terminal blocks with electronic components

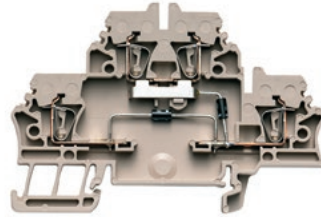
Universal range

A

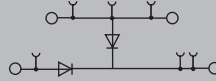
### ZDK 2.5/D/6

2.5 mm<sup>2</sup>

Diode circuit



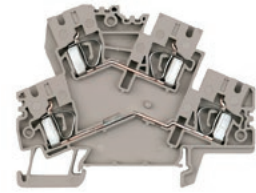
5.1 x 79.1 x 53  
/ 2.5  
0.05...2.5



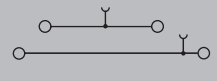
### ZDK 4-2 EL

4 mm<sup>2</sup>

Double-level terminal



6.1 x 77.6 x 60  
32 / 6  
0.13...6



Width/Height/Depth mm  
max. current / max. cond. cross-section -/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	
	dark beige
	dark beige (red LED)
	orange
Note	

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	Blue
	dark beige
End bracket	
	dark beige
Test adapter	
	With spigot
Screwdriver	
	Standard
Reducing sleeves	
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
Identification systems	
Cover	
	With lightning flash symbol

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
10	15	10	
2.5	AWG 26...14	AWG 26...12	
	6 kV / 3		
	A2 / V-0		

CE ENEC ENEC

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	
2.5 mm <sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
32	25		
4	AWG 26...10		
	8 kV / 3		
	A3 / V-0		

CE ENEC ENEC

Rated connection	Plug-in connection
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZDK 2.5/D/6	50	1690060000
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A		

Type	Qty.	Order No.
ZDK 4-2 EL	50	8709760000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK2.5		20	1674730000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW ZDK4-2		50	8670760000
ZEW 35		20	9540000000
ZTA 6/ZA		25	1780660000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
ZAD 1/4		20	1609110000

For detailed information on other accessories and application in the online catalogue



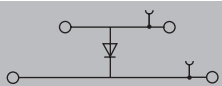
ZDK 4-2/D forward

4 mm<sup>2</sup>

Diode circuit



6.1 x 77.6 x 60  
/ 6  
0.13...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
1	1	1	
4	AWG 26...10	AWG 26...10	
	8 kV / 3		
	A3 / V-0		

CE ENE RA

Rated connection	Plug-in connection
0.5...6 / 1.5...4	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZDK 4-2/D forward	50	8670520000

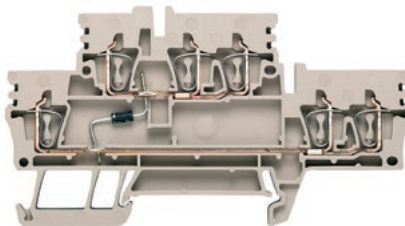
Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/10 GE	32 A	20	1609030000
ZAP/TW ZDK4-2		50	8670760000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

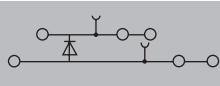
ZDK 2.5/3AN D2

4 mm<sup>2</sup>

Diode circuit



5.1 x 93 x 50.5  
/ 4  
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
1	20	24	
4	AWG 30...12	AWG 30...12	
	6 kV / 3		
	A2 / V-0		

CE ENE RA

Rated connection	Plug-in connection
0.5...4 / 1.5...2.5	
0.5...2.5 / 0.21...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible wires with wire-end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

Type	Qty.	Order No.
ZDK 2.5/3AN D2	50	1924450000

Soldered diode: Type 1N 4007, reverse voltage 1000 V, current 1 A; current of continuous busbar = 10 A

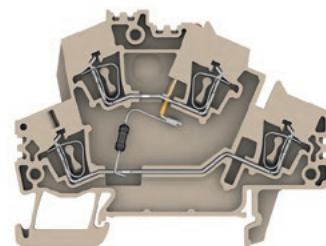
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZAP/TW ZDK 2.5/3AN		20	1924910000
ZEW 35/2		20	8630740000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

2.5 mm<sup>2</sup> wires with wire ferrules including the plastic collar only clampable with diameter-optimised collar (Order no. 1333100000, pack of 500).

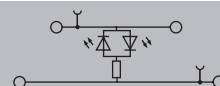
ZDK 2.5-2/LD 24 V UC

2.5 mm<sup>2</sup>

Diode circuit



5.1 x 72.5 x 53  
10 / 2.5  
0.05...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
10			
2.5			
	/ 3		
	A2 / V-0		

EN

Rated connection	Plug-in connection
0.5...2.5	
0.5...2.5 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> flexible conductors with wire end ferrules are crimped with the Weidmüller PZ 6/5 crimping tool.

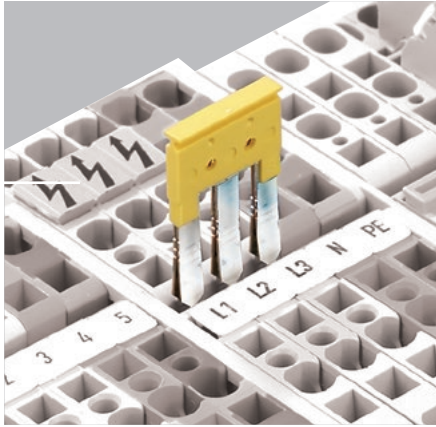
Type	Qty.	Order No.
ZDK 2.5-2/LD 24VUC	50	1905310000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/10	24 A	20	1608940000
ZEW 35		20	9540000000
ZTA 4		25	1688110000
SDS 0.6X3.5X100		1	9008330000
ZRH 1.5H/1		1000	1678810000
ZRH 1.5H/2		1000	1678800000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/15 MC NE WS		240	1854090000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000



**Spring connection with tension clamp technology (Z-Series)**  
**Accessories – Electrical supply**

**Pluggable Cross-Connection ZQV**



The time-saving, easy-to-use cross-connection comb for terminals, featuring tension clamp technology.

- **ZQV 2.5** as 2- to 10-pole combs and
- **ZQV 2.5N** as 2- to 10-pole combs and
- **ZQV 4** as 2- to 10-pole combs and
- **ZQV 6** as 2- to 4-pole combs and
- **ZQV 10, ZQV 16** and **ZQV 35** as 2-pole combs (bridges)
- **ZQV 35-10, ZQV 35-16** and **ZQV 16-10** used as a reducer cross-connector distributes current from terminals with larger cross-connections to terminals with smaller cross-section.

These versions come with complete shock protection.

However, please note that the rated voltage is reduced to 400 V when using cross-connections. This does not apply to terminals with a rated voltage below 400 V. Here the rated voltage of the used terminal is mandatory.

**Breaking out contact elements**

If one or more (max. 60 % for reasons of stability and temperature rise) of the contact elements are broken out of the cross-connections, terminals may be bypassed to suit the application.



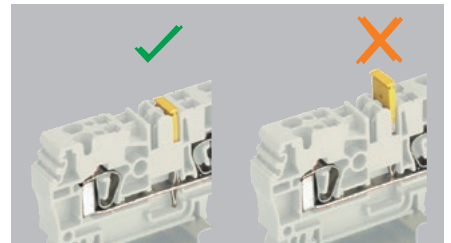
**Fitting and changing crossconnections**

The fitting and changing of cross-connections is a trouble-free and fast operation:

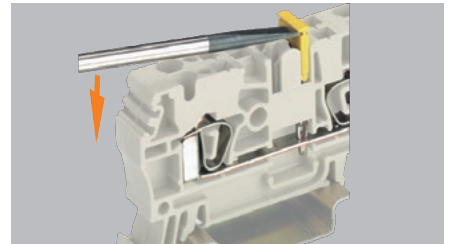
- Insert the cross-connection into the cross-connection channel in the terminal...



... and press it fully home. (The cross-connection may not project from the channel.)

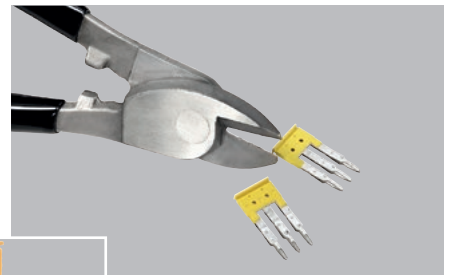


- Remove a cross-connection by simply prising it out with a screwdriver.



**Shortening cross-connections**

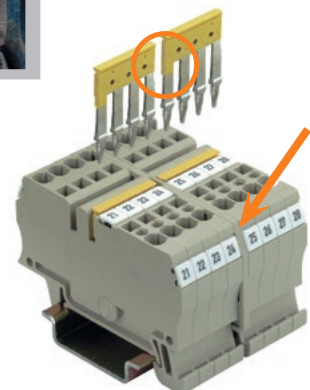
Cross-connections can be shortened in length using a suitable cutting tool, e.g. KT ZQV (order no. 9002170000). However, three contact elements must always be retained.



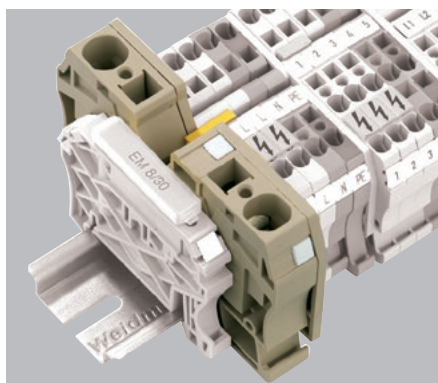
**Caution:**  
 Contact elements must not be deformed!



**Note:**  
 In the use of manually cut ZQV cross-connections and cross-connections with bare cut edges (>10 poles), the voltage reduces to 25 V.



### ZEI 16 supply terminal



The ZEI 16 supply terminal can be used for supplying current up to a conductor cross-section of 25 mm<sup>2</sup>. Standard cross-connections then distribute the current to any number of terminals with a smaller cross-sectional area.

The following tables show a number of options for distributing current at the supply point, together with corresponding cross-connections and the maximum current.

### Integrated partition plate



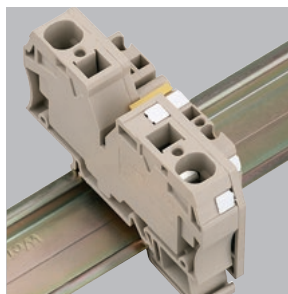
### Output possible on left and right



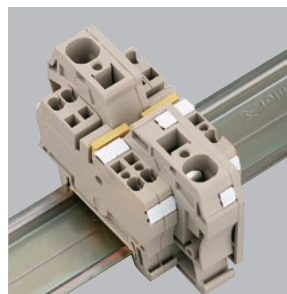
### Output options and corresponding cross-connections

Feed terminal	Output terminal	Cross-connection	Supply left	Supply right
ZEI 16	ZDU 2.5	ZQV 2.5	•	•
	ZDU 2.5 3AN	ZQV 2.5	•	•
	ZDU 2.5 4AN	ZQV 2.5	•	•
	ZDU 2.5 N	ZQV 2.5	•	•
	ZDU 2.5 N/3AN	ZQV 2.5	•	•
	ZDU 2.5N /4AN	ZQV 2.5	•	•
	ZDU 4	ZQV 4	•	•
	ZDU 4 3AN	ZQV 4	•	• <sup>1)</sup>
	ZDU 4 4AN	ZQV 4	•	• <sup>1)</sup>
	ZDU 6	ZQV 6	•	•
	ZDU 6 3AN	ZQV 6	•	•
	ZTR 2.5	ZQV 2.5	• <sup>2)</sup>	• <sup>2)</sup>
	ZTR 2.5 3AN	ZQV 2.5	• <sup>2)</sup>	• <sup>2)</sup>
ZTR 2.5 4AN	ZQV 2.5	•	•	
Feed terminal	Output terminal	Cross-connection	Supply left	Supply right
ZEI 6	ZDU 1.5	ZQV 1.5	•	•
	ZDU 1.5 3AN	ZQV 1.5	•	•
	ZDU 1.5 4AN	ZQV 1.5	•	•

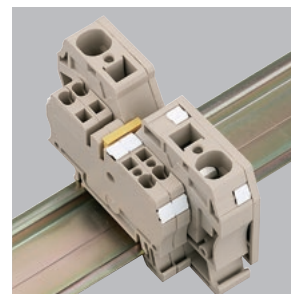
1) mit IEPL 2) mit QVAR 3) second pole must be broke out



$$I_{max} = \sum I_n \text{ (left)}$$



$$I_{max} = \sum I_n \text{ (left)} + \sum I_n \text{ (right)}$$



$$I_{max} = \sum I_n \text{ (right)}$$

### Maximum current flow $I_{max}$ only with ZEI 16

Feed terminal	Cross-connection	Supply conductor cross-section area	Supply left or right	Supply middle
ZDU 2.5	ZQV 2.5	16 mm <sup>2</sup>	48 A	76 A
		25 mm <sup>2</sup>	48 A	89 A
ZDU 2.5/4AN	ZQV 2.5	16 mm <sup>2</sup>	48 A	76 A
		25 mm <sup>2</sup>	48 A	89 A
ZDU 4	ZQV 4	16 mm <sup>2</sup>	64 A	76 A
		25 mm <sup>2</sup>	66 A	100 A
ZDU 6	ZQV 6	16 mm <sup>2</sup>	76 A	76 A
		25 mm <sup>2</sup>	82 A	100 A



**Spring connection with tension clamp technology (Z-Series)**  
**Accessories - Electrical supply**

**Supply with standard terminals**

According to IEC 60204-1 and IEC 60 439-1, when reducing the conductors within distribution boards and controllers, protective devices for cables and conductors can be installed up to a maximum of 3 meters away from the supply side and need not be positioned at the beginning of the supply side. The conductor before the output fuse must be routed to make it "short-circuit proof".

**Supply on the left**



**Supply on the right**



**Supply options and corresponding cross-connections**

Supply terminals		on the left													
		2.5 mm <sup>2</sup>			4 mm <sup>2</sup>			6 mm <sup>2</sup>							
Output terminals on the right		ZDU	ZDU 3AN	ZDU 4AN	ZDU N	ZDU N/3AN	ZDU N/4AN	ZTR	ZTR 3AN	ZTR 4AN	ZDU	ZDU 3AN	ZDU 4AN	ZDU	ZDU 3AN
1.5 mm <sup>2</sup>	ZDU	• 1)								• 1)					
	ZDU 3AN	•		• 1)						• 1)	•				
	ZDU 4AN	•		• 1)						• 1)	•				
2.5 mm <sup>2</sup>	ZDU										• 1)	• 1)		• 3)	• 1)
	ZDU 3AN										• 2)	• 2)	• 2)	• 2)	• 2)
	ZDU 4AN										•	• 1)	• 1)	•	• 1)
	ZDU N										•	• 1)	• 1)	•	• 1)
	ZDU N/3AN										• 2)	• 2)	• 2)	• 2)	• 2)
	ZDU N/4AN										•	• 1)	• 1)	•	• 1)
	ZTR										• 2)	• 2)	• 2)	• 2)	• 2)
	ZTR 3AN										• 2)	• 2)	• 2)	• 2)	• 2)
ZTR 4AN										•	•	• 1)	•	• 1)	
4 mm <sup>2</sup>	ZDU													•	•
	ZDU 3AN													•	•
	ZDU 4AN													•	•

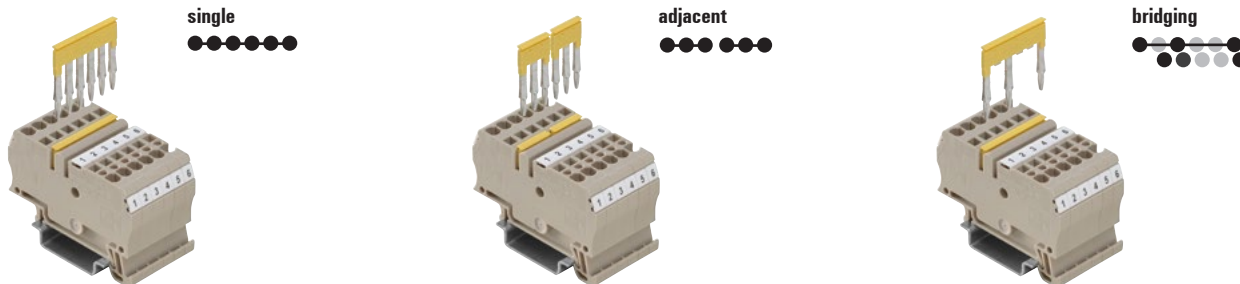
  

Supply terminals		on the right													
		2.5 mm <sup>2</sup>			4 mm <sup>2</sup>			6 mm <sup>2</sup>							
Output terminals on the left		ZDU	ZDU 3AN	ZDU 4AN	ZDU N	ZDU N/3AN	ZDU N/4AN	ZTR	ZTR 3AN	ZTR 4AN	ZDU	ZDU 3AN	ZDU 4AN	ZDU	ZDU 3AN
1.5 mm <sup>2</sup>	ZDU	•	• 2)					• 2)	• 2)					•	•
	ZDU 3AN	•	• 2)					• 2)	• 2)					•	•
	ZDU 4AN	• 1)	• 2)					• 2)	• 2)					• 1)	•
2.5 mm <sup>2</sup>	ZDU										•	•	•	• 3)	•
	ZDU 3AN										• 2)	• 2)	• 2)	• 2)	• 2)
	ZDU 4AN										• 1)	• 1)	• 1)	• 1)	• 1)
	ZDU N										•	•	•	•	•
	ZDU N/3AN										• 2)	• 2)	• 2)	• 2)	• 2)
	ZDU N/4AN										• 1)	• 1)	• 1)	• 1)	• 1)
	ZTR										• 2)	• 2)	• 2)	• 2)	• 2)
	ZTR 3AN										• 2)	• 2)	• 2)	• 2)	• 2)
ZTR 4AN										• 1)	• 1)	• 1)	• 1)	•	
4 mm <sup>2</sup>	ZDU													•	•
	ZDU 3AN													•	•
	ZDU 4AN													•	•

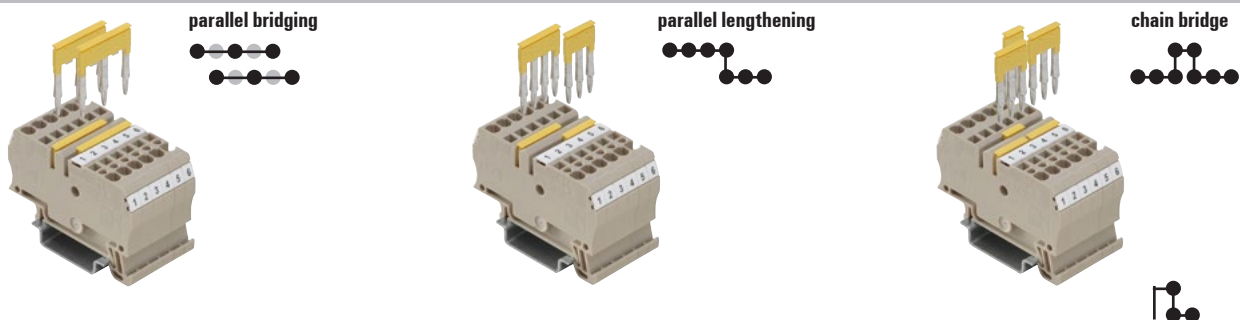
1) with IEPL  
 2) with QVAR  
 3) Maximum current value at the smallest cross-section:  
 - ZDU 6 with ZQV 2.5/3 on ZDU 2.5 : 55A  
 - ZDU 6 with ZQV 2.5/4 on ZDU 2.5 : 57 A

Possible combinations

In one cross-connection channel



In two cross-connection channel



Possible cross-connections of terminals of the same type with corresponding cross-connections

Terminal type	Crosssection	Cross-connection	single	adjacent	bridging	chain bridge	parallel bridging	parallel lengthening
Standard terminals	mm <sup>2</sup>							
ZDU 1.5 ...	1.5	ZQV 1.5	•	•	•	•		
ZDK 1.5	1.5	ZQV 1.5	•	•	•			
ZDK 1.5 V	1.5	ZQV 1.5	•	•	•	oben nicht brückbar		
ZDK 1.5 DU-PE	1.5	ZQV 1.5	•	•	•	unten nicht brückbar		
ZRV 1.5 ...	1.5	ZQV 1.5	•	•	•			
ZDU 2.5	2.5	ZQV 2.5	•	•	•	•		
ZDU 2.5 / 3 AN	2.5	ZQV 2.5	•	•	•			
ZDU 2.5 / 4 AN	2.5	ZQV 2.5	•	•	•			
ZDU 2.5N ...	2.5	ZQV 2.5	•	•	•	•		
ZDUA 2.5-2 ...	2.5	ZQV 2.5N	•	•	•			
ZDK 2.5 ...	2.5	ZQV 2.5	•	•	•			
ZDK 2.5 ... PE	2.5	ZQV 2.5	•	•	•	unten nicht brückbar		
ZDK 2.5-2 ...	2.5	ZQV 2.5	•	•	•			
ZDKPE 2.5-2/ ...	2.5	ZQV 2.5	•	•	•			
ZDLD 2.5 ...	2.5	ZQV 2.5	•	•	•			
ZVLD 2.5	2.5	ZQV 2.5	•	•	•			
ZTR 2.5 ...	2.5	ZQV 2.5	•	•	•			
ZTR 2.5-2	2.5	ZQV 2.5	•	•	•	•		
ZTTR 2.5	2.5	ZQV 2.5N	•	•	•	•		
ZDTR 2.5	2.5	ZQV 2.5N	•	•	•			
ZSI 2.5	2.5	ZQV 6	•	•	•			
ZSI 2.5 2x2AN	2.5	ZQV 4	•	•	•			
ZSI 2.5/2	2.5	ZQV 2.5	•	•	•			
ZT 2.5 ...	2.5	ZQV 2.5N	•	•	•	•		
ZT 2.5/4AN/4	2.5	ZQV 2.5N	•	•	•			
ZP 2.5 ... QV	2.5	ZQV 2.5N	•	•	•			
ZRV 2.5 ...	2.5	ZQV 2.5/...	•	•	•			
ZDU 4 ...	4		•	•	•			
ZDK 4-2 ...	4		•	•	•			
ZDK 4-2 V	4		•	•	•	oben nicht brückbar		
ZDK 4-2 ... PE	4		•	•	•	unten nicht brückbar		
ZT 4 ...	4		•	•	•	•		
ZDU 6	6		•	•	•			
ZDU 6-2 ...	6		•	•	•			
ZSI 6-2 ...	6		•	•	•			
ZTR 6-2	6		•	•	•			
ZDU 10 ...	10		•			•		
ZPE 10 ...	10		•			•		
ZDU 16	16		•			•		
ZPE 16	16		•			•		
ZDU 35	35		•			•		
ZPE 35	35		•			•		

Spring connection with tension clamp technology (Z-Series)  
Accessories - Electrical supply

Universal range

A



Cross-connections according to dimensions

ZQV 1.5



Technical data	
current / current	A
Ordering data	
1-pin	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
20-pin	
24-pin	
Note	

17.5 / 17.5		
Type	Qty.	Order No.
ZQV 1.5/2	60	1776120000
ZQV 1.5/3	60	1776130000
ZQV 1.5/4	60	1776140000
ZQV 1.5/5	20	1776150000
ZQV 1.5/10	20	1776200000
Note		

ZQV 2.5



24 /		
Type	Qty.	Order No.
ZQV 2.5/2	60	1608860000
ZQV 2.5/3	60	1608870000
ZQV 2.5/4	60	1608880000
ZQV 2.5/5	20	1608890000
ZQV 2.5/6	20	1608900000
ZQV 2.5/7	20	1608910000
ZQV 2.5/8	20	1608920000
ZQV 2.5/9	20	1608930000
ZQV 2.5/10	20	1608940000
ZQV 2.5/20	20	1908960000
Note		

ZQV 4



32 / 32		
Type	Qty.	Order No.
ZQV 4/2 GE	60	1608950000
ZQV 4/3 GE	60	1608960000
ZQV 4/4 GE	60	1608970000
ZQV 4/5 GE	20	1608980000
ZQV 4/6 GE	20	1608990000
ZQV 4/7 GE	20	1609000000
ZQV 4/8 GE	20	1609010000
ZQV 4/9 GE	20	1609020000
ZQV 4/10 GE	20	1609030000
ZQV 4/20 GE	20	1909010000
Note		

Cross-connections according to dimensions

ZQV 35-10

Reducing cross-connection



Technical data	
current / current	A
Ordering data	
1-pin	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
20-pin	
24-pin	
Note	

57 / 105		
Type	Qty.	Order No.
ZQV 35-10	10	7920100000
Note		

ZQV 2.5N



24 / 24		
Type	Qty.	Order No.
ZQV 2.5N/2 GE	60	1693800000
ZQV 2.5N/3 GE	60	1693810000
ZQV 2.5N/4 GE	60	1693820000
ZQV 2.5N/5 GE	20	1693830000
ZQV 2.5N/6 GE	20	1693840000
ZQV 2.5N/7 GE	20	1693850000
ZQV 2.5N/8 GE	20	1693860000
ZQV 2.5N/9 GE	20	1693870000
ZQV 2.5N/10 GE	20	1693880000
Note		

ZQB 2.5



24 / 24		
Type	Qty.	Order No.
ZQB 2.5-2	50	1677120000
Note		

### ZQV 6



41 / 41		
Type	Qty.	Order No.
ZQV 6/2 GE	60	1627850000
ZQV 6/3 GE	60	1627860000
ZQV 6/4 GE	60	1627870000
ZQV 6/24 GE	10	1908990000

### ZQV 10/2



57 /		
Type	Qty.	Order No.
ZQV 10/2	25	1739680000

Only with use of 2 dummy cables

### ZQV 16/2



76 / 76		
Type	Qty.	Order No.
ZQV 16/2	25	1739690000

Only with use of 2 dummy cables

### ZQV 35/2



105 / 105		
Type	Qty.	Order No.
ZQV 35/2	10	1739700000

### ZQS 2.5



/ 10		
Type	Qty.	Order No.
ZQS 2.5/2	20	1633200000
ZQS 2.5/3	20	1633210000
ZQS 2.5/4	20	1633220000
ZQS 2.5/5	20	1633230000

### ZVQ 2.5/1.5



/ 23		
Type	Qty.	Order No.
ZVQ 2.5/1.5	50	1720700000



## Spring connection with tension clamp technology (Z-Series)

### Accessories - test/check

#### Test adapter

The ZTA snap-on test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pin
	with snap-in pegs
Note	

#### ZTA 1

For terminal width 5.1 mm



Width / Length / Height	mm	5.1 / / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	9
Rated current	A	9
for wire cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA 1	25	1609040000
ZTA 1/ZA	25	1609050000
Note		

#### ZTA 2

For terminal width 6.1 mm



Width / Length / Height	mm	6.1 / / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	9
Rated current	A	9
for wire cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA 2 ZDU4	25	1609060000
ZTA 2/ZA ZDU4	25	1609070000
Note		

#### ZTA 3

For terminal width 8.1 mm



Width / Length / Height	mm	8.1 / / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	9
Rated current	A	9
for wire cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA 3 ZDU6	25	1654050000
Note		

#### Test adapter

The ZTA snap-on test adapter is used as an individual slice and also as a test adapter strip for measurements. The test adapter simply clips onto the terminal and thus guarantees reliable contact with the live busbar.

Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pin
	with snap-in pegs
Note	

#### ZTA 6

For terminal width 6.1 mm



Width / Length / Height	mm	6.1 / / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	17.5
Rated current	A	17.5
for wire cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.75...1.5 / 0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA 6/ZA	25	1780660000
Note		

#### ZTA 7

For terminal width 8.1 mm



Width / Length / Height	mm	8.1 / / 31.5
Stripping length	mm	6
Rated data		
Rated voltage	V	9
Rated current	A	9
for wire cross-section	mm <sup>2</sup>	1.5
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1.5
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1.5 / 0.5...1.5
Ordering data		
	Qty.	Order No.
ZTA 7/ZA	25	1780670000
Note		

#### ZTA ZT2.5

For terminal width 5.1 mm



Width / Length / Height	mm	5.1 / / 20
Stripping length	mm	10
Rated data		
Rated voltage	V	17.5
Rated current	A	17.5
for wire cross-section	mm <sup>2</sup>	1
Clamped conductors (H05V/H07V)		
Solid / Stranded	mm <sup>2</sup>	0.5...1
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...1
Ordering data		
	Qty.	Order No.
ZTA ZT2.5	25	1827080000
ZTA ZT2.5/ZA	25	1847600000
Note		





### ZTA 4

For terminal width 5.1 mm



5.1 / 31		
10		
11		
1.5		
0.5...1.5		
0.5...1.5 / 0.5...1.5		
Type	Qty.	Order No.
ZTA 4	25	1688110000

### ZTA 5

For terminal width 3.5 mm



3.5 / 20		
10		
13.5		
1		
0.5...1		
0.5...1 / 0.5...1		
Type	Qty.	Order No.
ZTA 5	25	1776210000
ZTA 5/ZA	25	1776220000

### ZTA ZVLD



5.1 / 68.72		
6		
6		
1.5		
0.5...1.5		
0.75...1.5 / 0.5...1.5		
Type	Qty.	Order No.
ZTA ZVLD	10	1210390000
ZTA ZVLD/ZA	50	1271870000

### Test plug

The test points for the PS 2.3 and PS 2.0 test plugs are available for most Z-Series terminals. Quick measurements can be made by inserting the test plug into the opening provided.

Technical data	
current / current	-
Ordering data	Test plug
Note	

### PS

Plug diameter 2.0 mm



Type	Qty.	Order No.
PS 2.0 OR	20	0293800000

### PS 2.3 RT

Plug diameter 2.3 mm



Type	Qty.	Order No.
PS 2.3 RT	20	0180400000





PS ZQV test probes

PS ZQV



- Safe and hand-free measuring of terminals
- Insert into the ZQV contact
- Very flexible silicone safety-measurement cables connect to any measurement instrument.



Technical data

Rated voltage	
Max. voltage of clamp support & pluggable system	
Weight	
<b>Note</b>	

<b>Test probes</b>	
1000 V	
1000 V	
For Feed-through terminals with a pitch of 3.5mm to 8mm.	

Ordering data

<b>Version</b>	
<b>Note</b>	

Type	Qty.	Order No.
PS_ZQV_SET	1	1116710000
PS_ZQV	1	1121740000
1x measuring probe red, 1x measuring probe black.		

### Reducing sleeves

The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the center of the clamping point without the strands fraying.

Technical data	
Product type	
Ordering data	
	0,13...0,2 mm <sup>2</sup> , white
	0,25...0,5 mm <sup>2</sup> , grey
	0,75...1,0 mm <sup>2</sup> , dark grey
Note	

### ZRH 1.5 S



Reducing sleeve			
Type	Qty.	Order No.	
ZRH 1.5S/1	500	1781950000	
Packaged in sets of 100 x 10-pole strips			

### ZRH 1.5 H



Reducing sleeve			
Type	Qty.	Order No.	
ZRH 1.5H/1	1000	1678810000	
ZRH 1.5H/2	1000	1678800000	
Packaged in sets of 100 x 10-pole strips			

### ZRH 1.5 N



Reducing sleeve			
Type	Qty.	Order No.	
ZRH 1.5N/1	1000	1632140000	
ZRH 1.5N/2	1000	1632130000	
Packaged in sets of 100 x 10-pole strips			

### ZRH 2.5



Reducing sleeve			
Type	Qty.	Order No.	
ZRH 2.5/1 WS	1000	1614300000	
ZRH 2.5/2 GR/VO	1000	1614290000	
ZRH 2.5/3	1000	1614280000	
Packaged in sets of 100 x 10-pole strips			

### ZRH 4



Reducing sleeve			
Type	Qty.	Order No.	
ZRH 4/1 WS	1000	1636640000	
Packaged in sets of 100 x 10-pole strips			

### Label

The BZT marking tags enable you to label the middle of the marking channel with the WS 10/5 tags. The marking tags can be put together with pins in order to achieve the greatest degree of stability.

Technical data	
Product type	
Ordering data	
	one-sided, without peg
	one-sided, with peg
	two-sided, without peg
Note	

### BZT 1/BZT 2

#### Tag carriers



Marker holder			
Type	Qty.	Order No.	
BZT 1 WS 10/5	100	1805490000	
BZT 1 ZA WS 10/5	100	1805520000	
BZT 2 WS 10/5	100	1805480000	

### Additional connection

The contact element is placed in the cross-section channel and the latch clip in the screwdriver channel. It should then be pressed down until the end stop. The pitch spacing is 6 mm. Therefore only every other terminal can be occupied.

Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage	-
Pollution severity	-
Ordering data	
	with snap-in pegs
Note	

### ZZA 2.5



Dimensions			
Width / Length / Height	mm		
Stripping length	-		
Rated data			
Rated voltage	V		
Rated current	A		
for wire cross-section	mm <sup>2</sup>		
Rated impulse withstand voltage	-		
Pollution severity	-		
Ordering data			
Note			
	6.1 / 21-50		
	400		
	17.5		
	2.5		
	6 kV		
	3		
Type	Qty.	Order No.	
ZZA 2.5	50	1646690000	
ZZA 2.5/ZA	50	1649350000	

### Component plug

The component plug is used for fitting electronic components. If needed, the BZS 1 can be snapped on to the upper or lower cross-connection channel on the ZDK 2.5 tension-clamp terminals.

Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated voltage with LED	
Rated current	A
Rated current with LED	
Rated impulse withstand voltage	-
Pollution severity	-
Ordering data	
	for holding 2 LEDs
Note	

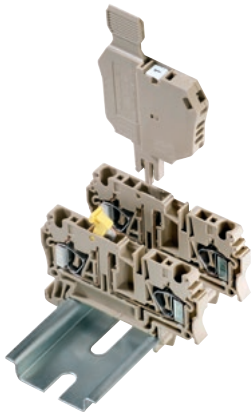
### ZBS



Dimensions			
Width / Length / Height	mm		
Stripping length	-		
Rated data			
Rated voltage	V		
Rated voltage with LED			
Rated current	A		
Rated current with LED			
Rated impulse withstand voltage	-		
Pollution severity	-		
Ordering data			
Type	Qty.	Order No.	
ZBS1 FD SET	10	1764550000	



SIHA fuse holder

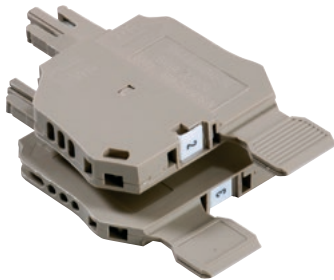


For 5 x 20 G-fuse cartridges

The SIHA fuse holder converts a simple disconnect terminal into a fuse terminal in next to no time. Simply remove the isolating lever and insert the fuse plug.

- Simple handling - no tools required
- Housing made of Wemid (V0)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23 °C ambient temperature (also for 1.5 times rated current - composite arrangement)

- Even fits on 5 mm wide terminals when fitted in offset arrangement



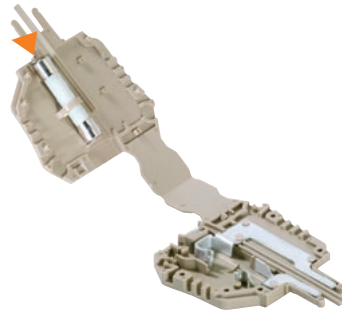
- Marking position for Dekafix 5 and space for the E-Fix self-adhesive label, size 8/20



1. Open fuse holder with fingers or screwdriver.



2. Press out old fuse.



3. Position new fuse.



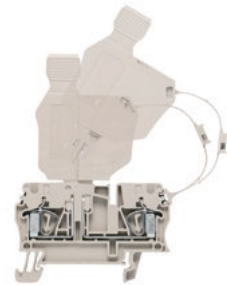
4. Press fuse holder together again with fingers or screwdriver.

SIHA 3



without LED		Qty.	Order No.
SIHA3/G20	400 V	1	7921560000
with LED (red)			
SIHA3/G20	10 - 36 V	1	7921570000
	35 - 70 V	1	7921580000
	60 - 150 V	1	7921590000
	140 - 250 V	1	7921600000
For test-disconnect terminals versions			
ZTR 2.5/4 AN			
ZTR 2.5...			
ZTR 2.5-2			

SIHA STRAP



with strap		Qty.	Order No.
SIHA STRAP		20	9537680000

- Connector for "retro-fit" assembly
- Receptacle in the terminal is the marking position
  - Integrated marking position on the strap
  - Slots into fuse holder either on the left or on the right

Component isolating plugs



Fuse carrier ZST 1

The ZST 1 fuse-carrier can hold 6 device fuses (5 x 20 or 5 x 25 mm) which are available to be used during servicing work.

ZST 1



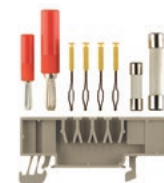
Type	Qty.	Order No.
ZST 1	25	1269070000

Ordering data
Note

Accessories holder ZST

The ZST group carrier is used for temporary "parking" of test plugs, cross-connections and fuses which are used during service work. The group carrier can be snapped on to the end of a terminal strip or to the TS 35 rail.

ZST

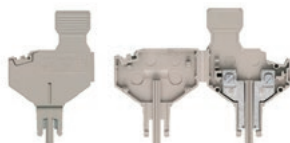


Type	Qty.	Order No.
ZST	10	1678680000

Component plug (up to 250 V)

- Can be reversed

BEST



Type	Qty.	Order No.
BEST	50	1833100000
BEST/DRBR	50	1878570000
BEST/D	50	1878560000

Ordering data
without
with wire jumper
with 1N4007 diode
Note

Disconnect plug

Ordering data
yellow
Note

TNST



Type	Qty.	Order No.
TNST	50	1833090000



## Reliability connects

# Klippon® Connect sets standards with clamping yoke technology

Whatever your requirements for the panel: our screw connection system with patented clamping yoke technology ensures the ultimate in contact safety. You can use both screw-in and plug-in cross-connections for potential distribution. Two conductors of the same diameter can also be connected in a single terminal point in accordance with UL1059. The screw connection has long been an established connection element to meet exacting demands in terms of reliability and functionality. And our W-Series is still setting standards.

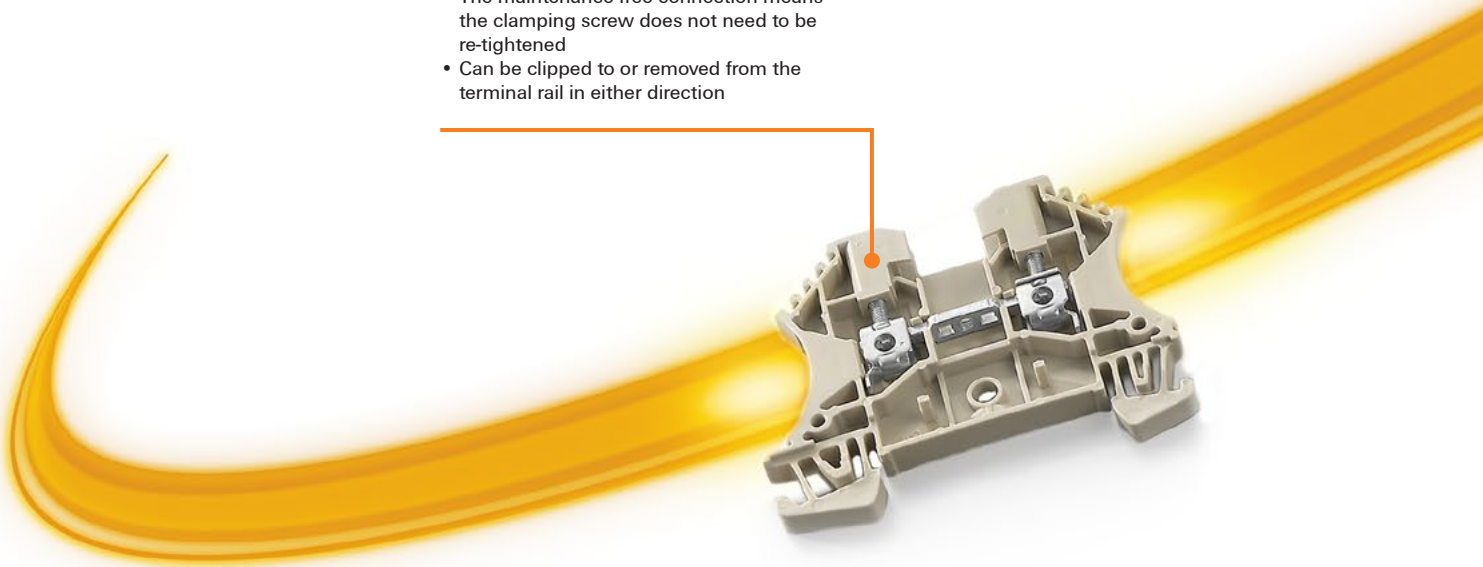


### Our promise

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

### Flexibility

- The maintenance-free connection means the clamping screw does not need to be re-tightened
- Can be clipped to or removed from the terminal rail in either direction



**Time saving**

- Quick installation as the products are delivered with clamping yoke open
- Identical contours for easier planning

**Space saving**

- Small „W-Compact“ size saves space in the panel
- Two conductors can be connected for each contact point

**Safety**

- The clamping yoke properties compensate for temperature-indexed changes to the conductor to prevent loosening
- Vibration-resistant connectors – ideal for applications in harsh conditions
- Protection against incorrect conductor entry
- Copper current bar for low voltages, clamping yoke and screw made of hardened steel
- Precise clamping yoke and current bar design for safe contact with even the smallest of conductors

**Overview**

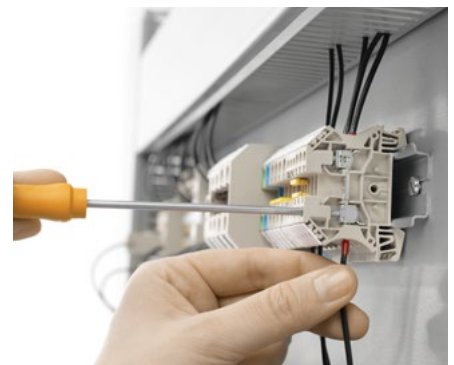
You can rely on it: thanks to the range of models and real flexibility, our terminal blocks with clamping yoke technology can be used in a wide range of different applications.

**Universal application:**

Numerous national and international approvals and qualifications in accordance with a variety of application standards make the W-series a universal connection solution, especially in harsh conditions.

**Varied product assortment with wide clamping range:**

Our terminal blocks with clamping yoke technology are available in both standard and compact designs. The compact design covers wire cross-sections from 0.05 mm<sup>2</sup> to 150 mm<sup>2</sup> and helps save space in the panel. The standard version covers conductor cross sections of up to 240 mm<sup>2</sup>. The identical contours of the terminal blocks make configuration easier and reduces the quantity of accessories required.



**Screw connection with clamping yoke technology (W-Series)**  
**Feed-through terminal blocks**

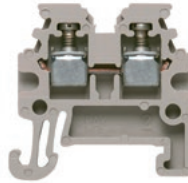
Universal range

A

**WDU 1.5/R 3.5**

**1.5 mm<sup>2</sup>**

Feed-through terminal for TS 15



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 24.5 x 24	
<b>17.5 / 1.5</b>	
<b>0.13...1.5</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
400	300	300	275
17.5	15	10	14
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
4 kV / 3			
A1 / V-0			
			KEMA99ATEX6545U
<b>Rated connection</b>	<b>Further connection</b>		
0.5...1.5 / 1.5...1.5			
0.5...1.5 / 0.5...1.5	2.5		
0.3 Nm / (M 2)			
7 / 0.4 x 2.5 mm			
<b>Rated connection</b>	<b>Further connection</b>		
0.5...0.75			
0.5...0.75 / 0.5...0.5			
<b>Note</b>	PZ 6/5 recommended as crimping tool for 1.5 mm <sup>2</sup> with wire-end ferrule		

**Ordering data**

<b>Version</b>	
	dark beige
	beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 1.5/R3.5	100	<b>1753280000</b>
WDU 1.5/R3.5 BL	100	<b>1754170000</b>

**Accessories**

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Testing / Checking</b>	
	Test plug
	Socket
<b>Identification systems</b>	
<b>Pluggable cross-connection</b>	
	2-pole
	10-pole

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WAP WDU1.5/R3.5		20	<b>1754190000</b>
EW 15		50	<b>0382860000</b>
DEK 5/3.5 MC NE WS		500	<b>1755270000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>
ZQV 1.5N/R3.5/2 GE	17.5 A	50	<b>1754210000</b>
ZQV 1.5N/R3.5/10 GE	17.5 A	20	<b>1754290000</b>

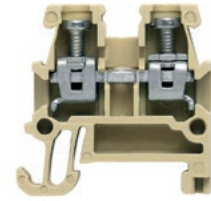
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

**AKZ 1.5**

**1.5 mm<sup>2</sup>**

Feed-through terminal for TS 15



5.1 x 24.8 x 24	
<b>24 / 2.5</b>	
<b>0.21...2.5</b>	

IEC 60947-7-1				II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>	
250	150	300	176	
17.5	15	10	15	
1.5	AWG 22...14	AWG 24...16	1.5 mm <sup>2</sup>	
4 kV / 3				
A1 / V-2				
			SIRA02ATEX3001U	
<b>Rated connection</b>	<b>Further connection</b>			
0.5...2.5 / 1.5...1.5				
0.5...1.5 / 0.5...1.5				
0.4...0.6 Nm / (M 2.5)				
7 / 3.0 x 0.5 mm				
<b>Rated connection</b>	<b>Further connection</b>			
0.5...1				

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AKZ 1.5	100	<b>0340460000</b>
AKZ 1.5 BL	100	<b>0340480000</b>

AKZ 1.5 order No. 0340460000 and 0340480000 made of PA with flammability rating acc. to UL 94/V-2

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
Q 2 AKZ1.5	24 A	50	<b>0368200000</b>
Q 10 AKZ1.5	24 A	20	<b>0368500000</b>
AP AKZ1.5		50	<b>0340560000</b>
AP AKZ1.5 BL		50	<b>0340580000</b>
EW 15		50	<b>0382860000</b>
PS 2.3 RT		20	<b>0180400000</b>
STB 8.5/D4/2.3/M2.5 AKZ		50	<b>0215700000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

Cross-connections, see section "W series accessories".

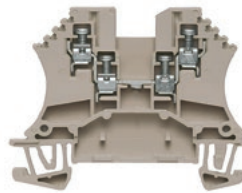




**WDU 1.5/ZZ**

**1.5 mm<sup>2</sup>**

Twin connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 46.5
<b>23 / 2.5</b>
<b>0.13...2.5</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Testing / Checking</b>	
	Standard
	With spigot
<b>Cover</b>	
	With lightning flash symbol
	Blank, white
<b>Identification systems</b>	

For detailed information on other accessories and application in the online catalogue

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	300	300	440
17.5	25	10	17.5
1.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A1 / V-0			
CE CB IEC KEMA TUV DEMKO14ATEX1338U			
<b>Rated connection</b>		<b>Further connection</b>	
0.5...2.5 / 0.5...2.5			
0.5...1.5 / 0.5...1.5			
0.4...0.6 Nm / (M 2.5)			
7 / 0.6 x 3.5 mm			
0.5...1			
0.5...1 / 0.5...0.75			
<b>Note</b>			
Note the max. current of the terminal (23 A) when using the WDV cross-connector!			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 1.5/ZZ	100	1031400000
WDU 1.5/ZZ BL	100	1031480000

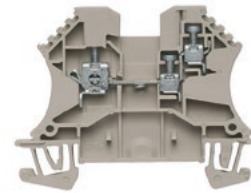
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 2 WDU2.5-10		25	1632320000
WTA 2/ZA WDU2.5-10		25	1632330000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, socket and test plug, see section "W series accessories".

**WDU 2.5/1.5/ZR**

**2.5 mm<sup>2</sup>**

Supplementary connection, right



5.1 x 60 x 46.5
<b>32 / 4</b>
<b>0.05...4</b>

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	300	300	690
24	20	20	24
2.5	AWG 30...12	AWG 26...14	2.5 mm <sup>2</sup>
8 kV / 3			
A3, A1 / V-0			
CE CB IEC KEMA TUV DEMKO14ATEX1338U			
<b>Rated connection</b>		<b>Further connection</b>	
0.5...4 / 1.5...4		0.5...2.5 / 0.5...2.5	
0.5...4 / 0.5...2.5		0.5...1.5 / 0.5...1.5	
0.4...0.6 Nm / (M 2.5)			
10 / 0.6 x 3.5 mm		7 / SD 0.6 x 3.5	
0.5...1			
0.5...1.5 / 0.5...1.5			
<b>Note</b>			
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 2.5/1.5/ZR	100	1024700000
WDU 2.5/1.5/ZR BL	100	1024780000

The rated voltage is 400 V when using the ZQV cross-connector, additional connection (right 1.5 mm<sup>2</sup>)

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 2 WDU2.5-10		25	1632320000
WTA 2/ZA WDU2.5-10		25	1632330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Note: Use a 2.5 / 1 mm<sup>2</sup> conductor with the WQB. Cross-connections, see section "W series accessories".

# Screw connection with clamping yoke technology (W-Series)

## Feed-through terminal blocks

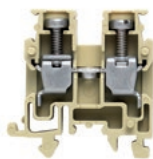
Universal range

A

### AKZ 2.5

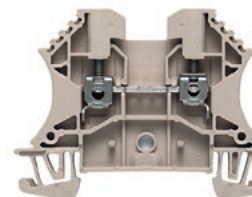
2.5 mm<sup>2</sup>

Feed-through terminal for TS 15



### WDU 2.5

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 25.5 x 26.3	
<b>32 / 4</b>	
<b>0.13...4</b>	

5.1 x 60 x 46.5	
<b>32 / 4</b>	
<b>0.05...4</b>	

### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	Gauge to IEC 60947-1 / UL 94 flammability rating
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	-
<b>Note</b>	

IEC 60947-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
250	300	300	176
24	10	10	21
2.5	AWG 26...12	AWG 26...10	2.5 mm <sup>2</sup>
4 kV / 3			
A3 / V-2			
SIRA02ATEX3001U			
<b>Rated connection</b>		<b>Further connection</b>	
0.5...4 / 1.5...2.5			
0.5...2.5 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
7 / 3.0 x 0.5 mm			
0.5...1.5			

IEC 60947-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	690
24	25	20	24
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
DEMKO14ATEX1338U			
<b>Rated connection</b>		<b>Further connection</b>	
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.8 Nm / (M 2.5)			
10 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

### Ordering data

<b>Version</b>	dark beige
	beige
	blue
<b>Note</b>	

Type	Qty.	Order No.
AKZ 2.5	100	0697160000
AKZ 2.5 BL	100	0697180000
AKZ 2.5 order No. 0697160000 and 0697180000 made of PA with flammability rating acc. to UL 94/V-2		

Type	Qty.	Order No.
WDU 2.5	100	1020000000
WDU 2.5 BL	100	1020080000
Rated voltage is 400 V when using the cross-connector. For colour versions, see section on W-series Accessories		

### Accessories

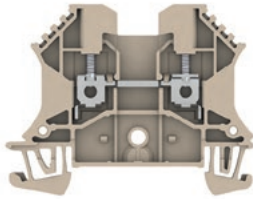
<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Testing / Checking</b>	
	Standard
	With spigot
	Test plug
	Socket
<b>Cover</b>	
	Blank, yellow
	Blank, white
	With lightning flash symbol
<b>Identification systems</b>	
	DEK 5/5 MC NE WS
<b>For detailed information on other accessories and application in the online catalogue</b>	

Type	current	Qty.	Order No.
Q 2 AKZ1.5	24 A	50	0368200000
Q 10 AKZ1.5	24 A	20	0368500000
AP AKZ2.5		50	0697360000
AP AKZ2.5 BL		50	0697380000
TW AKZ2.5		20	0318560000
EW 15		50	0382860000
PS 2.3 RT		20	0180400000
STB 8.5/D4/2.3/M2.5 AKZ		50	0215700000
Cross-connections, see section "W series accessories".			

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 2 WDU2.5-10		25	1632320000
WTA 2/ZA WDU2.5-10		25	1632330000
WAD 5 MC NE GE		48	1112920000
WAD 5 MC NE WS		48	1112910000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
Ensure 2.5 mm <sup>2</sup> max. when using the WQB. Only 400 V with the use of shield bus LS 2.8 1056400000.			

WDU 2.5 HV

2.5 mm<sup>2</sup>



5.1 x 60 x 46.5  
32 / 4  
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
24			
2.5			
8 kV / 3			
A3 / V-0			

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5 / 0.5...1.5	

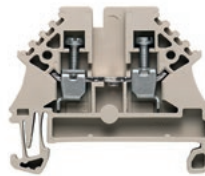
Type	Qty.	Order No.
WDU 2.5 HV	100	1412950000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 2 WDU2.5-10		25	1632320000
WTA 2/ZA WDU2.5-10		25	1632330000
WAD 5 MC NE GE		48	1112920000
WAD 5 MC NE WS		48	1112910000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

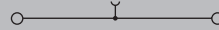
WDU 2.5N

2.5 mm<sup>2</sup>

With screwable cross-connection  
Compact design



5.1 x 44 x 37  
32 / 4  
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	352
24	20	20	24
2.5	AWG 22...12	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A3 / V-0			

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5 / 0.5...1.5	

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WDU 2.5N	100	1023700000
WDU 2.5N BL	100	1023780000

Colour variants listed under the W-Series accessories section, "Specific functions".

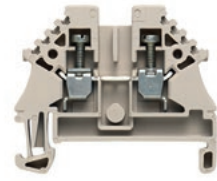
Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDU2.5N/4N		50	1060000000
WAP WDU2.5N/4N BL		50	1060080000
EW 35		50	0383560000
WTA 1 WDU1.5		25	1632290000
WTA 1/ZA WDU1.5		25	1632300000
WAD 4 WS		50	1072100000
WAD 4 GE BED		50	1072000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Socket and test plug, see section "W-Series accessories".

WDU 2.5N/ZQV

2.5 mm<sup>2</sup>

With pluggable cross-connection  
Compact design



5.1 x 44 x 37  
32 / 4  
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500		300	
24		25	
2.5		AWG 26...12	
6 kV / 3			
A3 / V-0			

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5 / 0.5...1.5	

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WDU 2.5N ZQV	100	1040800000
WDU 2.5N ZQV BL	100	1040880000

Rated voltage is 400 V when using the ZQV cross-connector.

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDU2.5N/4N		50	1060000000
WAP WDU2.5N/4N BL		50	1060080000
EW 35		50	0383560000
WTA 1 WDU1.5		25	1632290000
WTA 1/ZA WDU1.5		25	1632300000
WAD 4 WS		50	1072100000
WAD 4 GE BED		50	1072000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, see section "W series accessories".



# Screw connection with clamping yoke technology (W-Series)

## Feed-through terminal blocks

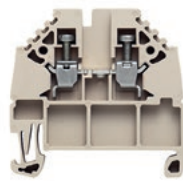
Universal range

A

### WDU 2.5N/600 UL

2.5 mm<sup>2</sup>

Compact design



### AKZ 4

4 mm<sup>2</sup>

Feed-through terminal for TS 15



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 44 x 42.7
<b>32 / 4</b>
<b>0.05...4</b>

6.1 x 27 x 29
<b>41 / 6</b>
<b>0.13...6</b>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	-
Note	

IEC 60947-1			
IEC	UL	CSA	EN 60079-7
800	600	600	
24	25	20	
2.5	AWG 22...12	AWG 26...12	
8 kV / 3			
A3 / V-0			
CE CB IEC VDE			
Rated connection		Further connection	
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
10 / 0.6 x 3.5 mm			
0.5...1.5 / 0.5...1.5			
/ 0.5...1.5			
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

IEC 60947-1				Ex e II  II 2 G D	
IEC	UL	CSA	EN 60079-7		
400	300	300	275		
32	27	10	28		
4	AWG 26...12	AWG 24...12	4 mm <sup>2</sup>		
6 kV / 3					
A3 / V-2					
CE CB IEC VDE				SIRA02ATEX3001U	
Rated connection		Further connection			
0.5...6 / 1.5...4					
0.5...4 / 0.5...2.5					
0.6...0.8 Nm / (M 3)					
8 / 0.6 x 3.5 mm					
0.5...1.5 / 0.5...1.5					

#### Ordering data

Version	
	dark beige
	beige
	blue
Note	

Type	Qty.	Order No.
WDU 2.5N/600UL	100	1730940000

Type	Qty.	Order No.
AKZ 4	100	0294360000
AKZ 4 BL	100	0294380000
AKZ 4 order No. 0294360000 and 0294380000 made of PA with flammability rating acc. to UL 94/V-2		

#### Accessories

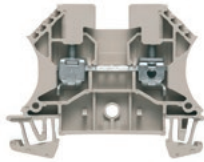
Pluggable cross-connection	
	2-pole
	10-pole
Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
	Blue
End bracket	
	dark beige
Testing / Checking	
	Standard
	With spigot
	Test plug
	Socket
Cover	
	Blank, white
	Blank, yellow
	With lightning flash symbol
Identification systems	
For detailed information on other accessories and application in the online catalogue	

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDU2.5N/4N		50	1060000000
WAP WDU2.5N/4N BL		50	1060080000
WEW 35/2		100	1061200000
WTA 1 WDU1.5		25	1632290000
WTA 1/ZA WDU1.5		25	1632300000
WAD 4 WS		50	1072100000
WAD 4 GE BED		50	1072000000
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MM WS		800	2007150000
DEK 5/5 MM WS		800	2007110000
Socket and test plug, see section "W-Series accessories".			

Type	current	Qty.	Order No.
Q 2 AKZ4	32 A	50	0336400000
Q 10 AKZ4	32 A	20	0368600000
AP AKZ4		20	0294460000
AP AKZ4 BL		20	0294480000
TW AKZ4		50	0348260000
EW 15		50	0382860000
PS 2.3 RT		20	0180400000
STB 8.5/D4/2.3/M2.5 AKZ		50	0215700000
DEK 5/6 MC NE WS		1000	1609820000
Cross-connections, see section "W series accessories".			

WDU 4

4 mm<sup>2</sup>



6.1 x 60 x 46.5  
41 / 6  
0.13...6



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	690
32	35	35	32
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>

8 kV / 3

A4 / V-0

DEMKO14ATEX1338U

Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...6 / 0.5...4	
0.5...1 Nm / (M 3)	
10 / 0.6 x 3.5 mm	
0.5...2.5	
0.5...1.5 / 0.5...1.5	

Rated voltage is 400 V when using the ZQV cross-connector.  
Note max. current of terminal (41 A) when using WQV!

Type	Qty.	Order No.
WDU 4	100	1020100000
WDU 4 BL	100	1020180000

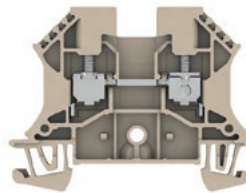
1000 VDC rated voltage tested. Rated voltage is 400 V when using the cross-connector. For alternative colours, see section on W-series accessories

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WTA 3/ZA WDU4		25	1632360000
WAD 5 MC NE WS		48	1112910000
WAD 5 MC NE GE		48	1112920000
WS 12/6 MC NE WS		600	1609900000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.

WDU 4 HV

4 mm<sup>2</sup>



6.1 x 60 x 46.5  
41 / 6  
0.13...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
32			
4			

8 kV / 3

A4 / V-0

DEMKO14ATEX1338U

Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...6 / 0.5...4	
0.5...1 Nm / (M 3)	
10 / 0.6 x 3.5 mm	
0.5...2.5	
0.5...1.5 / 0.5...1.5	

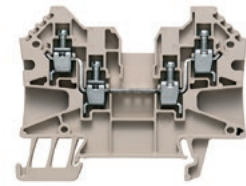
Type	Qty.	Order No.
WDU 4 HV	100	1412960000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WTA 3/ZA WDU4		25	1632360000
WAD 5 MC NE WS		48	1112910000
WAD 5 MC NE GE		48	1112920000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.

WDU 4/ZZ

4 mm<sup>2</sup>



6.1 x 70 x 53  
32 / 6  
0.05...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	690
32	30	30	29.5
4	AWG 30...10	AWG 30...10	4 mm <sup>2</sup>

8 kV / 3

A4 / V-0

DEMKO14ATEX1338U

Rated connection	Further connection
0.5...6	
0.5...4 / 0.5...4	
0.5...0.8 Nm / (M 3)	
10 / 0.6 x 3.5 mm	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDU 4/ZZ	50	1905060000
WDU 4/ZZ BL	50	1114720000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WTA 3/ZA WDU4		25	1632360000
WAD 5 MC NE WS		48	1112910000
WAD 5 MC NE GE		48	1112920000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

Cross-connections, see section "W series accessories".



**Screw connection with clamping yoke technology (W-Series)**  
**Feed-through terminal blocks**

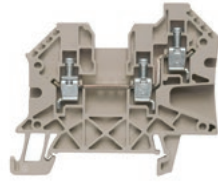
Universal range

A

**WDU 4/ZR**

**4 mm<sup>2</sup>**

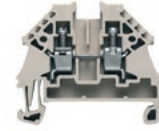
Supplementary connection, right



**WDU 4N**

**4 mm<sup>2</sup>**

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 63.5 x 53	
<b>32 / 6</b>	
<b>0.05...6</b>	

6.1 x 44 x 37.7	
<b>39 / 6</b>	
<b>0.13...6</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	600	600	690
32	30	30	31
4	AWG 30...10	AWG 30...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			
CE     DEMKO14ATEX1338U			
<b>Rated connection</b>	<b>Further connection</b>		
0.5...6	0.5...6		
0.5...4 / 0.5...4	0.5...4 / 0.5...4		
0.5...0.8 Nm / (M 3)			
10 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500	300	300	440
32	10	10	31
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
6 kV / 3			
A4 / V-0			
CE     TÜV04ATEX2630U			
<b>Rated connection</b>	<b>Further connection</b>		
0.5...6 / 1.5...6			
0.5...4 / 0.5...4			
0.5...1 Nm / (M 3)			
11 / 0.6 x 3.5 mm			
0.5...1.5			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 4/ZR	50	1905140000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 4N	100	1042600000
WDU 4N BL	100	1042680000

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Testing / Checking</b>	
	Standard
	With spigot
<b>Cover</b>	
	With lightning flash symbol
	Blank, white
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		100	1061200000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU2.5N/4N		50	1060000000
WAP WDU2.5N/4N BL		50	1060080000
WEW 35/2		100	1061200000
WTA 1 WDU1.5		25	1632290000
WTA 1/ZA WDU1.5		25	1632300000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
WS 8/6 MM WS		600	2007160000
DEK 5/6 MM WS		600	2007120000

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

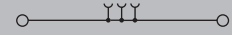
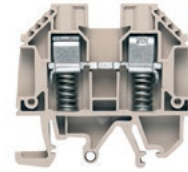
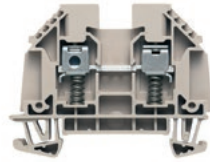
Cross-connections, see section "W series accessories".

WDU 4 SL

4 mm<sup>2</sup>

WDU 4 SL/EN

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 60 x 46.5
<b>41 / 6</b>
<b>0.22...6</b>

6.1 x 60 x 51.5
<b>41 / 6</b>
<b>0.22...6</b>

Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
630	600	300	440
32	30	25	32
4	AWG 22...10	AWG 22...10	4 mm <sup>2</sup>
6 kV / 2			
A4 / V-0			
		DEMKO14ATEX1338U	
<b>Rated connection</b>		<b>Further connection</b>	
0.5...6 / 1.5...6			
0.5...4 / 0.5...4			
0.5...1 Nm / (M 3)			
15 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
<b>Note</b> the max. current of the terminal (41 A) when using the cross-connector!			

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
630	600	300	690
32	30	25	32
4	AWG 22...10	AWG 22...10	4 mm <sup>2</sup>
6 kV / 2			
A4 / V-0			
		DEMKO14ATEX1338U	
<b>Rated connection</b>		<b>Further connection</b>	
0.5...6 / 1.5...6			
0.5...4 / 0.5...4			
0.5...1 Nm / (M 3)			
15 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
<b>Note</b> the max. current of the terminal (41 A) when using the cross-connector!			

Ordering data

<b>Version</b>	
	dark beige
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 4 SL	50	9537440000
WDU 4 SL BL	50	9203060000
<b>Note</b> With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 4 SL/EN	50	9537450000
<b>Note</b> With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

Accessories

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
	Blue
<b>End bracket</b>	dark beige
<b>Testing / Checking</b>	
	Standard
<b>Cover</b>	
	Blank, yellow
	Blank, white
<b>Identification systems</b>	
<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>Hak. Cable lugs</b>	
	HBT 1,5 - 3,0 RT
	HBT 2,5 - 3,0 BL
<b>For detailed information on other accessories and application in the online catalogue</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WS 12/6 MC NE WS		600	1609900000
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000
<b>Cross-connections, see section "W series accessories".</b>			

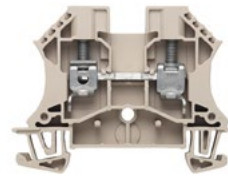
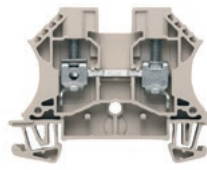
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WS 12/6 MC NE WS		600	1609900000
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000
<b>Cross-connections, socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.</b>			



Screw connection with clamping yoke technology (W-Series)  
Feed-through terminal blocks

**WDU 6** **6 mm<sup>2</sup>**

**WDU 6 HV** **6 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 60 x 46.5
<b>57 / 10</b>
<b>0.22...10</b>

7.9 x 60 x 46.5
<b>57 / 10</b>
<b>0.22...10</b>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1 Ex e II **Ex** II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	690
41	50	50	41
6	AWG 22...8	AWG 22...8	6 mm <sup>2</sup>
8 kV / 3			
A5 / V-0			

CE CB IEC UR KEMA TUV SUD **DEMKO14ATEX1338U**

Rated connection	Further connection
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm / (M 3.5)	
12 / 0.8 x 4.0 mm	

Rated connection	Further connection
0.5...2.5	
0.5...2.5 / 0.5...2.5	

Note max. current of terminal (57 A) when using WQV Wire connection H07V...10 and AWG 8 with tightening torque of 1.4-1.6 Nm.

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
1000			
41			
6			
8 kV / 3			
A5 / V-0			

Rated connection	Further connection
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm / (M 3.5)	
12 / 0.8 x 4.0 mm	

Rated connection	Further connection
0.5...2.5 / 0.5...2.5	

**Ordering data**

Version	dark beige dark beige blue
Note	

Type	Qty.	Order No.
WDU 6	100	1020200000
WDU 6 BL	100	1020280000

1000 VDC rated voltage tested.  
For colour versions, see section on W-series Accessories - specific functions.

Type	Qty.	Order No.
WDU 6 HV	100	1412970000
WDU 6 IR	100	1393350000

**Accessories**

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
	Blue
End bracket	
	dark beige
Testing / Checking	
	Standard
Cover	
	Blank, yellow
	Blank, white
Identification systems	
Pluggable cross-connection	
	2-pole
	10-pole
Hak. Cable lugs	

For detailed information on other accessories and application in the online catalogue

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WAD 8 MC NE GE		48	1112950000
WAD 8 MC NE WS		48	1112940000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000
WS 8/8 MM WS		500	2007170000
DEK 5/8 MM WS		500	2007130000

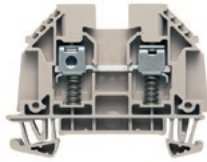
Cross-connections, socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/2		100	1061200000
WTA 3 WDU4		25	1632350000
WAD 8 MC NE GE		48	1112950000
WAD 8 MC NE WS		48	1112940000
DEK 5/8 MC NE WS		800	1856740000
WS 12/8 PLUS MC NE WS		420	1906000000
WS 8/8 MM WS		500	2007170000
DEK 5/8 MM WS		500	2007130000



WDU 6 SL

6 mm<sup>2</sup>



7.9 x 60 x 46.5  
57 / 6  
0.5...6



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
630	150	300	275
41	50	45	40
6	AWG 20...8	AWG 20...8	6 mm <sup>2</sup>
6 kV / 2 A5 / V-0			

CE    DEMKO14ATEX1338U	
Rated connection	Further connection
0.5...6 6	
0.5...6	
0.8...1.6 Nm / (M 3.5)	
16 / 0.8 x 4.0 mm	
0.5	

ESI rated data: 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connector!

Type	Qty.	Order No.
WDU 6 SL	50	9537460000

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000
WS 8/8 MM WS		500	2007170000
DEK 5/8 MM WS		500	2007130000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000

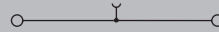
Cross-connections, see section "W series accessories".

WDU 6 SL/EN

6 mm<sup>2</sup>



7.9 x 60 x 51.1  
57 / 6  
0.5...6



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
630	150	300	440
41	50	45	40
6	AWG 20...8	AWG 20...8	6 mm <sup>2</sup>
6 kV / 2 A5 / V-0			

CE    DEMKO14ATEX1338U	
Rated connection	Further connection
0.5...6 6	
0.5...6	
0.8...1.6 Nm / (M 3.5)	
16 / 0.8 x 4.0 mm	
0.5	

ESI rated data: 500 V/24 A / Note the max. current of the terminal (57 A) when using the cross-connector!

Type	Qty.	Order No.
WDU 6 SL/EN	50	9537470000

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000
WS 8/8 MM WS		500	2007170000
DEK 5/8 MM WS		500	2007130000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000

Cross-connections, see section "W series accessories".



## Screw connection with clamping yoke technology (W-Series)

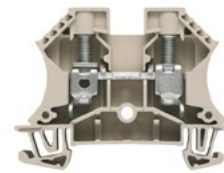
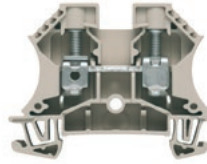
### Feed-through terminal blocks

#### WDU 10

10 mm<sup>2</sup>

#### WDU 10 IR

10 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.9 x 60 x 46.5
<b>76 / 16</b>
<b>1.31...16</b>

9.9 x 60 x 46.5
<b>76 / 16</b>
<b>1.31...16</b>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
1000	600	600	690				
57	65	65	57				
10	AWG 18...6	AWG 18...6	10 mm <sup>2</sup>				
				8 kV / 3			
				B6 / V-0			
				CE        DEMKO14ATEX1338U			
<b>Rated connection</b>		<b>Further connection</b>					
1.5...16 / 1.5...16							
1.5...16 / 1.5...16							
1.2...1.9 Nm / (M 4)							
12 / 1.0 x 5.5 mm							
1.5...6 / 0.5...6							
0.5...6 / 0.5...6							
				Note max. current of terminal (76 A) when using WQV! Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.			

IEC 60947-7-1				Ex e II  II 2 G D			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>				
1000							
57							
10							
				8 kV / 3			
				B6 / V-0			
<b>Rated connection</b>		<b>Further connection</b>					
1.5...16 / 1.5...16							
1.5...16 / 1.5...16							
1.5...1.8 Nm / (M 4)							
12 / TX 15							

#### Ordering data

<b>Version</b>	
	dark beige
	blue
	black (combi clip-on feet TS 32/25)
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 10	50	1020300000
WDU 10 BL	50	1020380000
1000 VDC rated voltage tested. For alternative colours, see section on W-series accessories – specific functions.		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 10 IR	50	1393380000

#### Accessories

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Testing / Checking</b>	
	Standard
<b>Cover</b>	
	Blank, yellow
	Blank, white
<b>Identification systems</b>	
<b>Hak. Cable lugs</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
<b>WAP</b>			
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
<b>WEW</b>			
WEW 35/2		100	1061200000
<b>WTA</b>			
WTA 3 WDU4		25	1632350000
<b>WAD</b>			
WAD 8 MC NE GE		48	1112950000
WAD 8 MC NE WS		48	1112940000
<b>DEK</b>			
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
<b>WAP</b>			
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
<b>WEW</b>			
WEW 35/2		100	1061200000
<b>WTA</b>			
WTA 5/1		25	1051260000
<b>WAD</b>			
WAD 8 MC NE GE		48	1112950000
WAD 8 MC NE WS		48	1112940000
<b>DEK</b>			
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

Cross-connections, socket and test plug, see section "W series accessories". Only 400 V with the use of shield bus LS 2.8 1056400000.

WDU 10/ZR

10 mm<sup>2</sup>

Additional connection on right 4 mm<sup>2</sup>



9.9 x 70 x 49  
76 / 16  
1.31...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	65	65	
10	AWG 16...6	AWG 16...6	
8 kV / 3 B6, A4 / V-0			

CE ENEC IEC

Rated connection	Further connection
1.5...16 / 1.5...16	0.5...6 / 1.5...4
1.5...16 / 1.5...16	0.5...4 / 0.5...4
1.2...1.9 Nm / (M 4)	
12 / 0.6 x 3.5 mm	10 / 0.6 x 3.5 mm
1.5...6	
1...6 / 1...6	

Note max. current of terminal (76 A) when using WQV1 Tighten AWG 6/7 and H07V-R16 to 2.4 Nm. Upper right ZR connection A 4.

Type	Qty.	Order No.
WDU 10/ZR	50	1042400000
WDU 10/ZR BL	50	1042480000

The measurement data relates to the 10 mm<sup>2</sup> connection.

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000

Cross-connections, socket and test plug, see section "W series accessories".

WDU 10 SL

10 mm<sup>2</sup>

9.9 x 60 x 46.25  
76 / 10  
1.31...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
630	150	300	352
57	50	65	55
10	AWG 16...8	AWG 16...6	10 mm <sup>2</sup>
6 kV / 2 A5 / V-0			

CE ENEC IEC

Rated connection	Further connection
1.5...10 / 1.5...10	
1...6 / 1.5...10	
1.2...2.4 Nm / (M 4)	
17 / 1.0 x 5.5 mm	
1.5...4	
2.5...4 / 1...4	

ESI rated data: 500 V/36 A / 16 mm<sup>2</sup> stranded connection must be tightened with 2 Nm.

Type	Qty.	Order No.
WDU 10 SL	50	9537480000

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

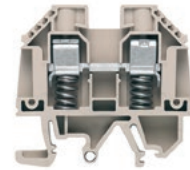
Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000

Cross-connections, see section "W series accessories".

WDU 10 SL/EN

10 mm<sup>2</sup>

9.9 x 56.6 x 51.1  
76 / 16  
1.31...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
630	600	300	550
57	50	65	55
10	AWG 16...8	AWG 16...6	10 mm <sup>2</sup>
6 kV / 2 A6 / V-0			

CE ENEC IEC

Rated connection	Further connection
1.5...16 / 1.5...16	
1...6 / 1.5...10	
1.2...2.4 Nm / (M 4)	
17 / 1.0 x 5.5 mm	
1.5...4	
2.5...4 / 1...4	

ESI rated data: 500 V/36 A / 16 mm<sup>2</sup> stranded connection must be tightened with 2 Nm.

Type	Qty.	Order No.
WDU 10 SL/EN	50	9537490000

With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
WTA 5/1		25	1051260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000

Cross-connections, see section "W series accessories".

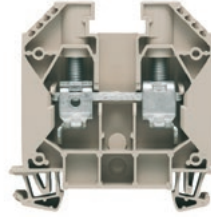
**Screw connection with clamping yoke technology (W-Series)**  
**Feed-through terminal blocks**

Universal range

A

**WDU 16** **16 mm<sup>2</sup>**

With peg for higher connection stability



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 60 x 62.5
<b>101 / 25</b>
<b>0.82...25</b>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000	600	600	690
76	85	85	76
16	AWG 18...4	AWG 18...6	16 mm <sup>2</sup>
8 kV / 3			
B7 / V-0			
CE       DEMKO14ATEX1338U			
<b>Rated connection</b>		<b>Further connection</b>	
1.5...16 / 1.5...25			
1.5...25 / 1.5...16			
3...4 Nm / (M 5)			
16 / 1.0 x 5.5 mm			
1.5...4			
1.5...4 / 1.5...4			
Conductor connection H07V...16 and AWG 6 with tightening torque of 2.0-2.4 Nm.			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 16	50	<b>1020400000</b>
WDU 16 BL	50	<b>1020480000</b>
Order No. 1020400000 and 1020480000 (blue) versions without pegs (50 pcs.)		

**Accessories**

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Cover</b>	
	With lightning flash symbol
	Blank, white
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 16/2	76 A	50	<b>1053260000</b>
WQV 16/10	76 A	10	<b>1053360000</b>
WAP 16*35 WTW 2.5-10		20	<b>1050100000</b>
WAP 16*35 WTW 2.5-10 BL		20	<b>1050180000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 12 MC B GE/SW		32	<b>2445090000</b>
WAD 12 MC NE WS		32	<b>2445070000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

For detailed information on other accessories and application in the online catalogue

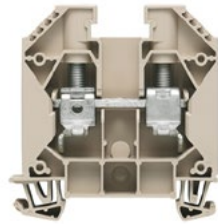
Socket and test plug, see section "W-series accessories"

WDU 16 IR

16 mm<sup>2</sup>

WDU 16N

16 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 60 x 62.5
<b>101 / 25</b>
<b>0.82...25</b>

12 x 60 x 46.5
<b>101 / 25</b>
<b>1.5...25</b>

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Note	

IEC 60947-7-1	Ex e II	Ex	II 2 G D
IEC	UL	CSA	EN 60079-7
1000		690	
76		76	
16		16 mm <sup>2</sup>	
		8 kV / 3	
		B7 / V-0	
DEMKO14ATEX1338U			
Rated connection	Further connection		
1.5...16 / 1.5...25			
1.5...25 / 1.5...16			
3...4 Nm / (M 5)			
16 / TX 15			
Note			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
690	600	300	
76	70	70	
16	AWG 14...6	AWG 14...6	
		8 kV / 3	
		B7 / V-0	
Rated connection	Further connection		
1.5...16 / 1.5...25			
1.5...16 / 1.5...16			
1.2...2.4 Nm / (M 4)			
12 / 1.0 x 5.5 mm			
1.5..4			
1.5..4 / 1.5..4			
Note			
AWG 6/7 and H07V-R25 tighten with a tightening torque of 1.5 Nm.			

Ordering data

Version	dark beige dark beige blue
Note	

Type	Qty.	Order No.
WDU 16 IR	50	1393390000
Note		

Type	Qty.	Order No.
WDU 16N	50	1036100000
WDU 16N BL	50	1036180000
Note		
1000 VDC rated voltage tested.		

Accessories

Screwable cross-connection	2-pole 4-pole 10-pole
End plate / Partition plate	dark beige Blue
End bracket	dark beige
Testing / Checking	Standard
Cover	With lightning flash symbol Blank, white
Additional connection	4 mm <sup>2</sup>
Identification systems	

Type	current	Qty.	Order No.
WQV 16/2	76 A	50	1053260000
WQV 16/10	76 A	10	1053360000
WAP 16*35 WTW 2.5-10		20	1050100000
WAP 16*35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL.		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

Type	current	Qty.	Order No.
WQV 16N/2	76 A	50	1636560000
WQV 16N/4	76 A	50	1636580000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WTA 2 WDU2.5-10		25	1632320000
WAD 12N GE BED		50	1073200000
WAD 12N WS		50	1073290000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/12 MC NE WS		300	1905970000

For detailed information on other accessories and application in the online catalogue

Cross-connections, socket and test plug, see section "W series accessories".



# Screw connection with clamping yoke technology (W-Series)

## Feed-through terminal blocks

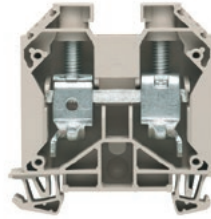
Universal range

A

### WDU 35

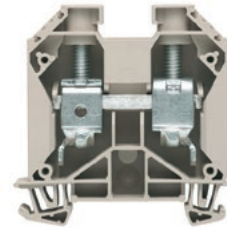
35 mm<sup>2</sup>

Clamping screw / spigot for good connection stability



### WDU 35 IR

35 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

16 x 60 x 62.5
<b>150 / 50</b>
<b>2.5...50</b>

16 x 60 x 62.5
<b>150 / 50</b>
<b>2.5...50</b>

### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000	1000	600	690
125	150	150	115
35	AWG 12...0	AWG 12...2	35 mm <sup>2</sup>
8 kV / 3			
B8 / V-0			
CE CB IEC KEMA GOST TUV SUD			
DEMKO14ATEX1338U			
<b>Rated connection</b>		<b>Further connection</b>	
2.5...16 / 2.5...50			
2.5...35 / 2.5...35			
4...5 Nm / (M 6)			
18 / 6.5 x 1.2 mm			
2.5...10 / 16...16			
2.5...16 / 2.5...16			

IEC 60947-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000			690
125			115
35			35 mm <sup>2</sup>
8 kV / 3			
B8 / V-0			
DEMKO14ATEX1338U			
<b>Rated connection</b>		<b>Further connection</b>	
2.5...16 / 2.5...50			
2.5...35 / 2.5...35			
4...5 Nm / (M 6)			
18 / TX 20			

### Ordering data

<b>Version</b>	
	dark beige
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 35	40	1020500000
WDU 35 BL	40	1020580000
Order No. 1020500000 and 1020580000 (blue) versions without pegs (40 pcs.).		

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 35 IR	40	1393400000

### Accessories

<b>Screwable cross-connection</b>	
	2-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Testing / Checking</b>	
	Standard
<b>Cover</b>	
	With lightning flash symbol
	Blank, white
<b>Additional connection</b>	
	4 mm <sup>2</sup>
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 35/2	135 A	50	1053060000
WQV 35/10	112 A	10	1053160000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL.		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 35/2	135 A	50	1053060000
WQV 35/10	112 A	10	1053160000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL.		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

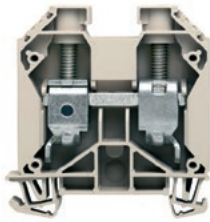
For detailed information on other accessories and application in the online catalogue

Cross-connections, socket and test plug, see section "W series accessories".

**WDU 35 IK**

**35 mm<sup>2</sup>**

Hexagonal socket / spigot for good connection stability



16 x 60 x 62.5  
**150 / 50**  
**2.5...50**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
125	150	150	115
35	AWG 12...NaN	AWG 12...1	35 mm <sup>2</sup>

8 kV / 3  
B8 / V-0

DEMKO14ATEX1338U

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...6 Nm / (M 6)	
18 / S4 (DIN 6911)	
2.5...10 / 16...16	
2.5...16 / 2.5...16	

Type	Qty.	Order No.
WDU 35/IK	25	1020600000
WDU 35/IK/ZA	25	1029000000
WDU 35/IK BL	25	1020680000

Order No. 1020600000 and 1020680000 (blue) versions without pegs (25 pcs.).

Type	current	Qty.	Order No.
WQV 35/2	135 A	50	1053060000
WQV 35/10	112 A	10	1053160000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Cross-connections, socket and test plug, see section "W series accessories".

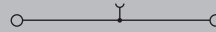
**WDU 35N**

**35 mm<sup>2</sup>**

Suitable for power distribution  
Compact design



16 x 66 x 50.5  
**150 / 50**  
**2.5...50**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
500	1000	600	352
125	150	150	110
35	AWG 12...0	AWG 12...2	35 mm <sup>2</sup>

6 kV / 3  
B8 / V-0

DEMKO14ATEX1338U

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...5 Nm / (M 6)	
18 / 6.5 x 1.2 mm	
2.5...6	
2.5...6 / 2.5...6	

1000 V DC rated voltage tested.

Type	Qty.	Order No.
WDU 35N	20	1040400000
WDU 35N BL	20	1040480000

1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 35N/2	135 A	20	1079200000
WQV 35N/4	101 A	20	1079400000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 16N GE BED		50	1083600000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Cross-connections, see section "W series accessories".



**Screw connection with clamping yoke technology (W-Series)**  
**Feed-through terminal blocks**

Universal range

**A**

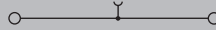
**WDU 50N**

**50 mm<sup>2</sup>**

Compact design



18.5 x 70 x 69.6  
**192 / 70**  
**10...70**



**WDU 50N IR**

**50 mm<sup>2</sup>**

Six-lobe socket



18.5 x 70 x 69.6  
**192 / 70**  
**10...70**



Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-1				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7				
1000	600	600	690				
150	150	150	126				
50	AWG 10...0	AWG 8...0	50 mm <sup>2</sup>				
				8 kV / 3			
				B10 / V-0			
				CE     DEMKO14ATEX1338U			
Rated connection		Further connection					
6...16 / 6...70							
10...50 / 6...50							
3.5...6 Nm / (M 6)							
24 / S4 (DIN 6911)							
...16 / 6...16							
6...16 / 6...16							
				1000 V DC rated voltage tested.			

IEC 60947-1				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7				
1000	600	600	690				
150	150	150	126				
50	AWG 10...0	AWG 8...0	50 mm <sup>2</sup>				
				8 kV / 3			
				B10 / V-0			
				CE     DEMKO14ATEX1338U			
Rated connection		Further connection					
10...16 / 10...70							
10...50 / 10...50							
3...6 Nm / (M 6)							
24 / TX 20							
...16 / 6...16							
6...16 / 6...16							
				1000 V DC rated voltage tested.			

**Ordering data**

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
WDU 50N	10	<b>1820840000</b>
WDU 50N BL	10	<b>1820850000</b>
Note		
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

Type	Qty.	Order No.
WDU 50N IR	10	<b>1186630000</b>
Note		
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

**Accessories**

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
End bracket	
	dark beige
Cover	
	With lightning flash symbol
Additional connection	
	10 mm <sup>2</sup>
Identification systems	
Screwdriver	
	Standard

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	<b>1834060000</b>
WQV 50N/3	150 A	5	<b>1834070000</b>
WQV 50N/4	150 A	5	<b>1834080000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 20 GE WSD		10	<b>9512260000</b>
WZAD 50N		5	<b>1872720000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>
SKS 2,0-8,0 MR		1	<b>9008870000</b>

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	<b>1834060000</b>
WQV 50N/3	150 A	5	<b>1834070000</b>
WQV 50N/4	150 A	5	<b>1834080000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 20 GE WSD		10	<b>9512260000</b>
WZAD 50N		5	<b>1872720000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>
TH-S 9-40		1	<b>9008880000</b>

For detailed information on other accessories and application in the online catalogue

Auxiliary connection for additional conductor "WZAD 50N" 1872720000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section "W series accessories".

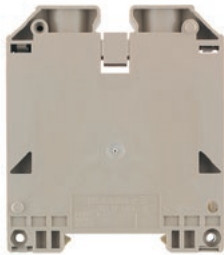
Cross-connections, see section "W series accessories".



**WDU 70N**

**70 mm<sup>2</sup>**

Compact design



20.5 x 75 x 85  
**232 / 95**  
**16...95**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
192	150	150	184
70	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>

8 kV / 3  
B11 / V-0

CE DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...70	
8...12 Nm / (M 8)	
22 / S6 (DIN 6911)	
10...16 / 10...25	
10...25 / 6...25	
1000 V DC rated voltage tested.	

Type	Qty.	Order No.
WDU 70N/35	10	<b>9512190000</b>
WDU 70N/35 BL	10	<b>9512420000</b>

1000 V UL and CSA for usage groups B and C; can be used with isolating DIN rails and when using WTW-EN partitions.

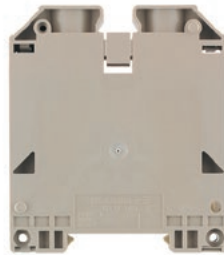
Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	<b>9512240000</b>
WQV 70N/3	192 A	5	<b>9512250000</b>
WQV 70N/4	192 A	5	<b>9531290000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 20 GE WSD		10	<b>9512260000</b>
WZAD 70N		5	<b>1964830000</b>
DEK 5/5 MC NE WS	1000		<b>1609801044</b>
WS 12/6.5 MC NE WS	540		<b>1609920000</b>
SKS 2,0-8,0 MR		1	<b>9008870000</b>

Auxiliary connection for additional conductor "WZAD 70N" 1964830000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section "W series accessories".

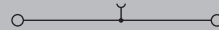
**WDU 70N/35 IR**

**70 mm<sup>2</sup>**

Compact design



20.5 x 75 x 85  
**232 / 95**  
**16...95**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
192	150	150	184
70	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>

8 kV / 3  
B11 / V-0

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...70	
8...12 Nm / (M 8)	
22 / TX 40	
10...16 / 10...25	
10...25 / 6...25	
1000 V DC rated voltage tested.	

Type	Qty.	Order No.
WDU 70N/35 IR	10	<b>1393420000</b>

Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	<b>9512240000</b>
WQV 70N/3	192 A	5	<b>9512250000</b>
WQV 70N/4	192 A	5	<b>9531290000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 20 GE WSD		10	<b>9512260000</b>
WZAD 70N		5	<b>1964830000</b>
DEK 5/5 MC NE WS	1000		<b>1609801044</b>
WS 12/5 MC NE WS	720		<b>1609860000</b>
TH-S 9-40		1	<b>9008880000</b>

Auxiliary connection for additional conductor "WZAD 70N" 1964830000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section "W series accessories".

**WDU 95N/120N**

**120 mm<sup>2</sup>**

Compact design



27 x 91 x 90  
**290 / 150**  
**16...150**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
269	228	220	221
120	AWG 4...250	AWG 4...0	120 mm <sup>2</sup>

8 kV / 3  
B13 / V-0

CE DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...150	
16...120 / 16...95	
12...20 Nm / (M 10)	
27 / S6 (DIN 6911)	
16...16 / 10...35	
16...35 / 10...35	
1000 V DC rated voltage tested.	

Type	Qty.	Order No.
WDU 95N/120N	5	<b>1820550000</b>
WDU 95N/120N BL	5	<b>1820560000</b>

1000 V UL and CSA for usage groups B and C; can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 95N/120N/2	269 A	5	<b>1826890000</b>
WQV 95N/120N/3	269 A	5	<b>1826900000</b>
WQV 95N/120N/4	269 A	5	<b>1826910000</b>
WEW 35/1		50	<b>1059000000</b>
WAD 20 GE WSD		10	<b>9512260000</b>
WZAD 95N/120N		5	<b>1859580000</b>
DEK 5/5 MC NE WS	1000		<b>1609801044</b>
WS 12/6.5 MC NE WS	540		<b>1609920000</b>
SKS 2,0-8,0 MR		1	<b>9008870000</b>

Auxiliary connection for additional conductor "WZAD 95N/120N" 1859580000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section "W series accessories".

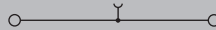


## Screw connection with clamping yoke technology (W-Series)

### Feed-through terminal blocks

WDU 240

240 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

36 x 100 x 123.7  
**415 / 240**  
**70...240**

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	1100
415	380	400	350
240		AWG 0...500	240 mm <sup>2</sup>
8 kV / 3			
B15 / V-0			

#### Clamped conductors (H05V/H07V)

Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-

CE KEMA01ATEX2186U

Rated connection	Further connection
/ 70...240	
70...240 / 70...185	
25...30 Nm (M 10)	
40 / S8 (DIN 6911)	

#### 2 conductors with same cross-section (H05V/H07V)

Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>

/ 35...95
50...95 / 35...50

#### Note

Copper straps can be used; see online catalogue for possible connections.

#### Ordering data

<b>Version</b>	
	dark beige
	blue

#### Note

Type	Qty.	Order No.
WDU 240	2	<b>1802780000</b>
WDU 240 BL	2	<b>1822210000</b>
1000 VDC rated voltage tested.		

#### Accessories

<b>Screwable cross-connection</b>	
	2-pole
	3-pole
	4-pole

#### End bracket

dark beige

#### Cover

With lightning flash symbol  
 Blank, white

#### Additional connection

10 mm<sup>2</sup>

#### Identification systems

#### Screwdriver

Standard

Type	current	Qty.	Order No.
WQB 240/2	320 A	5	<b>1802790000</b>
WQB 240/3	320 A	5	<b>1802800000</b>
WEW 35/1		50	<b>1059000000</b>
WZAD 240		5	<b>1802810000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>
SKS 2,0-8,0 MR		1	<b>9008870000</b>

For detailed information on other accessories and application in the online catalogue





## Leaf clamp

### Leaf clamp conductor connection for large cross-sections

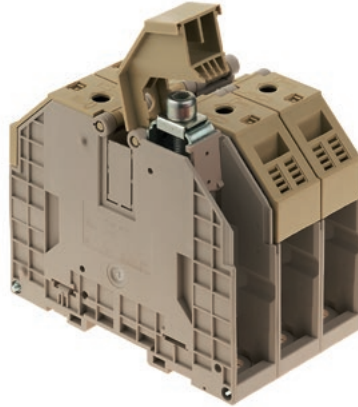
It is no longer the case that conductors with large cross-sections have to be forced into the clamping point. Instead, they can now be easily laid in the modular terminal.

In addition to the individual form, every type of terminal can also be supplied in the form of 3-, 4- and 5-pole blocks. All the blocks are permanently screwed together and therefore guarantee additional rigidity. Direct mounting is possible thanks to the elongated holes on the underside of the terminals.

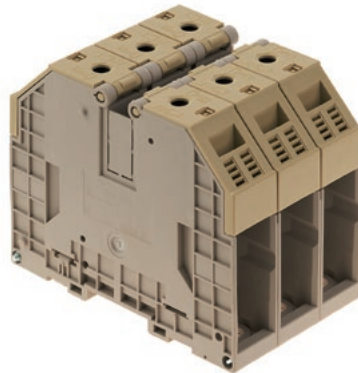
Terminal blocks can be screwed directly to mounting plates with a 25 mm pitch.

The other advantages are:

- Constant force transfer through selfadjusting connection system
- Mounting in any direction
- Electric shock protection (finger-proof) to German standard VBG 4, also with cross-connections
- Extremely resistant to distortion



Open cover and remove  
screw assembly

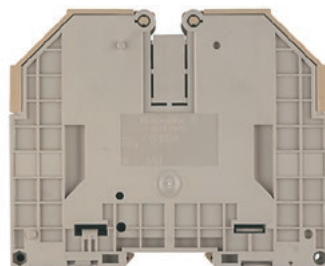


Close cover and tighten screw  
with Allen key

**WDU 70/95**

**95 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



27 x 132 x 107	
<b>232 / 120</b>	
<b>13.3...120</b>	

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

**Ordering data**

Version	dark beige blue
<b>Note</b>	

**Accessories**

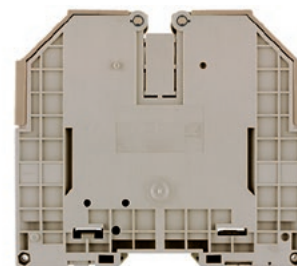
Screwable cross-connection	
	2-pole 3-pole
End bracket	
	dark beige
Cover	
	With lightning flash symbol Blank, white
Additional connection	
	4 mm <sup>2</sup>
Ribbon cable clamp	
Identification systems	
Screwdriver	
	Standard

For detailed information on other accessories and application in the online catalogue

**WDU 120/150**

**120 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



32 x 132 x 117	
<b>309 / 150</b>	
<b>33.63...150</b>	

IEC 60947-7-1	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
269	225	285	265
120	AWG 2...250	AWG 2...250	150 mm <sup>2</sup>
8 kV / 3			
B13 / V-0			
CE          DEMKO14ATEX1338U			
Rated connection		Further connection	
/ 35...150			
35...150 / 35...150			
10...20 Nm / (M 10)			
35 / S6 (DIN 6911)			
...16 / 35...70			
35...70 / 35...70			
<b>Note</b>			

Type	Qty.	Order No.
WDU 120/150	10	1024500000
WDU 120/150 BL	10	1024580000
<b>Note</b>	For direct mounting see section W-Series, Accessories.	

Type	current	Qty.	Order No.
WQV 120/2	269 A	5	1063300000
WQV 120/3	269 A	5	1063400000
WEW 35/1		50	1059000000
WAD 27 M. BL		10	1062860000
WAD 27 NEUTRAL		10	1062960000
WZAD 120		10	1066100000
WFL 120/150		5	1616340000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

Auxiliary connection for the additional conductor "WZAD 120", order no. 1066100000 (up to 4 mm<sup>2</sup>, 32 A). Cross-connections, see section "W series accessories".

Auxiliary connection for the additional conductor "WZAD 70", order No. 1066000000 (up to 4 mm<sup>2</sup>, 32 A). Cross-connections, see section "W series accessories".

# Screw connection with clamping yoke technology (W-Series)

## Feed-through terminal blocks

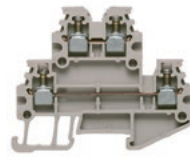
Universal range

A

### WDK 1.5/R3.5

1.5 mm<sup>2</sup>

Double feed-through terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 46.5 x 37.5
<b>16 / 15</b>
<b>0.13...1.5</b>

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
400	300	300	275
16	15	10	15
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
4 kV / 3			
A1 / V-0			
KEMA99ATEX6545U			
<b>Rated connection</b>	<b>Further connection</b>		
0.5...1.5 / 1.5...1.5			
0.5...1.5 / 0.5...1.5			
0.3 Nm / (M 2)			
7 / 0.4 x 2.5 mm			
0.5...0.75			
0.5...0.75 / 0.5...0.5			
PZ 6/5 recommended as crimping tool for 1.5 mm <sup>2</sup> with wire-end ferrule			

#### Ordering data

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDK 1.5/R3.5	100	1753290000

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
<b>End bracket</b>	
	dark beige
<b>Cover</b>	
	With lightning flash symbol
	Blank, white
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 1.5N/2	17.5 A	60	1985410000
ZQV 1.5N/10	17.5 A	20	1985580000
WAP WDK1.5/R3.5		20	1754200000
EW 15		50	0382860000
DEK 5/3.5 MC NE WS		500	1755270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

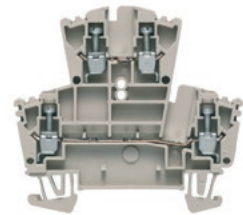
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

### WDK 2.5

2.5 mm<sup>2</sup>

Screwable cross-connection



5.1 x 69.5 x 62.5
<b>32 / 4</b>
<b>0.05...4</b>

IEC 60947-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
400	600	300	275
24	20	10	21
2.5	AWG 22...12	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A3 / V-0			
KEMA98ATEX1687U			
<b>Rated connection</b>	<b>Further connection</b>		
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
10 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDK 2.5	100	1021500000
WDK 2.5 BL	100	1021580000

For colour versions, see section on W-series Accessories - specific functions.

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WAP WDK2.5 BL		20	1059180000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, test and socket plug, see section "W series accessories". Ensure 2.5 mm<sup>2</sup> max. when using the WDB.

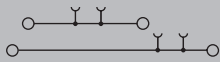
**WDK 2.5 ZQV**

**2.5 mm<sup>2</sup>**

Plug-in cross-connection



5.1 x 65.4 x 62.5  
32 / 4  
0.05...4



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
400	600	300	275
24	20	25	21
2.5	AWG 22...12	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A3 / V-0			

CE KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).	

Type	Qty.	Order No.
WDK 2.5 ZQV	100	1041100000
WDK 2.5 ZQV BL	100	1041180000

Rated voltage is 400 V when using the ZQV cross-connector.  
For colour versions, see section on W-series Accessories

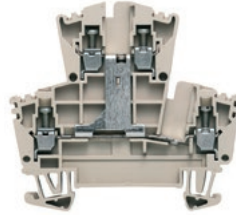
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDK2.5		20	1059100000
WAP WDK2.5 BL		20	1059180000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, test and socket plug, see section "W series accessories".  
Ensure 2.5 mm<sup>2</sup> max. when using the WDB.

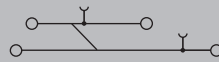
**WDK 2.5 V**

**2.5 mm<sup>2</sup>**

Both levels at one potential



5.1 x 69.5 x 62.5  
32 / 4  
0.05...4



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
400	600	300	275
24	20	10	21
2.5	AWG 30...12	AWG 26...12	2.5 mm <sup>2</sup>
6 kV / 3			
A3 / V-0			

CE KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).	

Type	Qty.	Order No.
WDK 2.5V	100	1022300000
WDK 2.5V BL	100	1022380000

For colour versions, see section on W-series Accessories - specific functions.

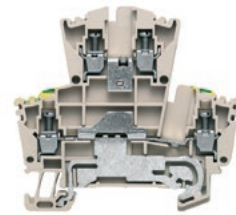
Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WAP WDK2.5 BL		20	1059180000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, test and socket plug, see section "W series accessories".  
Ensure 2.5 mm<sup>2</sup> max. when using the WDB.

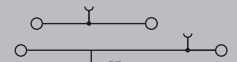
**WDK 2.5 DU-PE**

**2.5 mm<sup>2</sup>**

Lower level earthed on terminal rail



5.1 x 69.5 x 62.5  
32 / 4  
0.05...4



IEC 60947-7-1 (-7-2) Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
400	300	300	275
24	20	20	21
2.5	AWG 22...12	AWG 22...12	2.5 mm <sup>2</sup>
6 kV / 3			
A3 / V-0			

CE KEMA98ATEX1687U

Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).	

Type	Qty.	Order No.
WDK 2.5DU-PE	100	1036400000

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WAP WDK2.5 BL		20	1059180000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, test and socket plug, see section "W series accessories".  
Ensure 2.5 mm<sup>2</sup> max. when using the WDB.

**Screw connection with clamping yoke technology (W-Series)**  
**Feed-through terminal blocks**

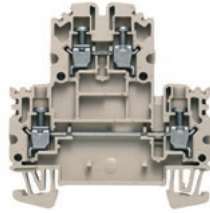
Universal range

A

**WDK 2.5N**

**2.5 mm<sup>2</sup>**

Plug-in cross-connection  
 Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 61 x 62	
<b>28 / 4</b>	
<b>0.05...4</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	300	300	550
24		20	21
2.5		AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
KEMA00ATEX2061U			
<b>Rated connection</b>	<b>Further connection</b>		
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
8 / 0.6 x 3.5 mm			
KEMA00ATEX2061U			
<b>Rated connection</b>	<b>Further connection</b>		
0.5...1.5			
0.5...1.5 / 0.5...1.5			
Rated voltage is reduced to 400 V when using the ZQV 2.5N cross-connector.			

**Ordering data**

<b>Version</b>	
	dark beige
	blue
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDK 2.5N	100	1041600000
WDK 2.5N BL	100	1041680000

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole
	10-pole
<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
<b>End bracket</b>	dark beige
<b>Cover</b>	dark beige
	With lightning flash symbol
	Blank, white
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDK2.5/4 N		20	1084000000
WAP WDK2.5/4 N BL		20	1084080000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

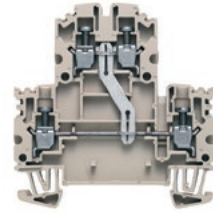
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

**WDK 2.5N V**

**2.5 mm<sup>2</sup>**

Both levels at one potential  
 Compact design



5.1 x 61 x 62	
<b>28 / 4</b>	
<b>0.05...4</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
800	300	300	550
24		20	21
2.5		AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			
KEMA00ATEX2061U			
<b>Rated connection</b>	<b>Further connection</b>		
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
8 / 0.6 x 3.5 mm			
KEMA00ATEX2061U			
<b>Rated connection</b>	<b>Further connection</b>		
0.5...1.5			
0.5...1.5 / 0.5...1.5			
Rated voltage is reduced to 400 V when using the ZQV cross-connector.			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDK 2.5N V	100	1041610000

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP WDK2.5/4 N		20	1084000000
WAP WDK2.5/4 N BL		20	1084080000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

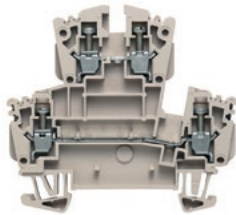
Cross-connections, see section "W series accessories".



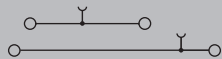
**WDK 2.5 / 800 V**

**2.5 mm<sup>2</sup>**

Rated voltage 800 V



6.1 x 69 x 62.5  
**32 / 4**  
**0.05...4**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800			440
24			24
2.5		AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

KEMA98ATEX1687U	
Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Type	Qty.	Order No.
WDK 2.5/EX	100	<b>1029100000</b>

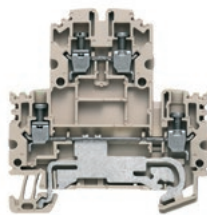
Type	current	Qty.	Order No.
Q 2 AKZ4SS	20 A	50	<b>0369000000</b>
Q 10 AKZ4SS	20 A	20	<b>0369300000</b>
WAP WDK2.5	20	<b>1059100000</b>	
WAP WDK2.5 BL	20	<b>1059180000</b>	
WAP 16+35 WTW 2.5-10	20	<b>1050100000</b>	
WEW 35/2	100	<b>1061200000</b>	
WAD 4 GE BED	50	<b>1072000000</b>	
WAD 4 WS	50	<b>1072100000</b>	
DEK 5/6 MC NE WS	1000	<b>1609820000</b>	
WS 8/5 MC NE WS	720	<b>1640740000</b>	
DEK 5/5 MM WS	800	<b>2007110000</b>	
WS 8/5 MM WS	800	<b>2007150000</b>	

Cross-connections, test and socket plug, see section "W series accessories".  
Ensure 2.5 mm<sup>2</sup> max. when using the WQB.

**WDK 2.5N DU-PE**

**2.5 mm<sup>2</sup>**

Lower level earthed on terminal rail  
Compact design



5.1 x 61 x 62  
**28 / 4**  
**0.05...4**



IEC 60947-7-1 (-7-2) Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800		300	550
24		20	21
2.5		AWG 26...12	2.5 mm <sup>2</sup>
8 kV / 3			
A3 / V-0			

KEMA00ATEX2061U	
Rated connection	Further connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Rated voltage is reduced to 400 V when using the ZQV cross-connector. 2 conductors via the PE connection are not permissible!

Type	Qty.	Order No.
WDK 2.5N DU-PE	100	<b>1041650000</b>

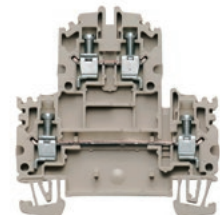
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WDK2.5/4 N	20	<b>1084000000</b>	
WAP WDK2.5/4 N BL	20	<b>1084080000</b>	
WTW EN	20	<b>1058800000</b>	
WEW 35/2	100	<b>1061200000</b>	
DEK 5/5 MC NE WS	1000	<b>1609801044</b>	
WS 8/5 MC NE WS	720	<b>1640740000</b>	
DEK 5/5 MM WS	800	<b>2007110000</b>	
WS 8/5 MM WS	800	<b>2007150000</b>	

Cross-connections, see section "W series accessories".

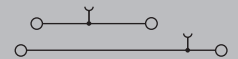
**WDK 4N**

**4 mm<sup>2</sup>**

Solid / stranded  
Flexible / flexible with wire-end ferrule



6.1 x 60 x 63.25  
**35 / 6**  
**0.13...6**



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	300	550
32	35	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			

KEMA00ATEX2061U	
Rated connection	Further connection
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1 Nm / (M 3)	
8 / 0.6 x 3.5 mm	
0.5...1.5	
0.5...1.5 / 0.5...1.5	

Rated voltage: 400 V when using ZQV cross-connection  
2 wire H07VU1.5, tighten with 0.6 Nm.

Type	Qty.	Order No.
WDK 4N	100	<b>1041900000</b>
WDK 4N BL	100	<b>1041980000</b>

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	<b>1527930000</b>
ZQV 4N/10	32 A	20	<b>1528090000</b>
WAP WDK2.5/4 N	20	<b>1084000000</b>	
WAP WDK2.5/4 N BL	20	<b>1084080000</b>	
WTW EN	20	<b>1058800000</b>	
WEW 35/2	100	<b>1061200000</b>	
DEK 5/6 MC NE WS	1000	<b>1609820000</b>	
WS 8/6 PLUS MC NE WS	600	<b>1951880000</b>	
DEK 5/6 MM WS	600	<b>2007120000</b>	
WS 8/6 MM WS	600	<b>2007160000</b>	

Cross-connections, see section "W series accessories".



# Screw connection with clamping yoke technology (W-Series)

## Feed-through terminal blocks

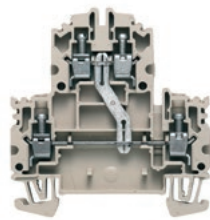
Universal range

A

### WDK 4N V

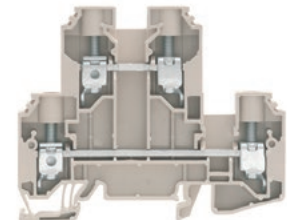
4 mm<sup>2</sup>

Both levels at one potential  
Compact design



### WDK 10

10 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 60.7 x 63.25	
<b>35 / 6</b>	
<b>0.13...6</b>	

9.9 x 85 x 69	
<b>70 / 16</b>	
<b>1.5...16</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-7-1	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
800	600	300	550
32	35	30	28
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
8 kV / 3			
A4 / V-0			
CE    KEMA00ATEX2061U			
Rated connection		Further connection	
0.5...6 / 1.5...6			
0.5...4 / 0.5...4			
0.5...1 Nm / (M 3)			
8 / 0.6 x 3.5 mm			
0.5...1.5			
0.5...1.5 / 0.5...1.5			
Rated voltage: 400 V when using ZQV cross-connection 2 wire H07V-U1.5, tighten with 0.6 Nm.			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...1.9 Nm / (M 4)			
12 / 1.0 x 5.5 mm			

#### Ordering data

Version	dark beige
	blue
	dark beige / blue
Note	

Type	Qty.	Order No.
WDK 4N V	100	1041910000

Type	Qty.	Order No.
WDK 10	50	1186740000
WDK 10 BL	50	1186750000

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
End bracket	
	dark beige
Identification systems	
Screwable cross-connection	
	2-pole
	10-pole
Cover	
	Blank, white
	Blank, yellow
Screwdriver	
	Standard

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDK2.5/4 N		20	1084000000
WAP WDK2.5/4 N BL		20	1084080000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/6 PLUS MC NE WS		600	1951880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
SDS 1.0X5.5X150		1	9008350000

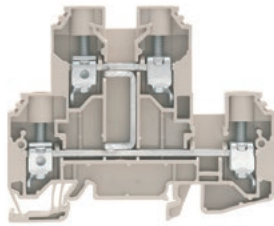
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

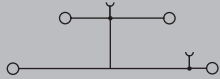
Cross-connections, see section "W series accessories".

WDK 10 V

10 mm<sup>2</sup>



9.9 x 85 x 69  
73 / 16  
1.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	49	49	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			



Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

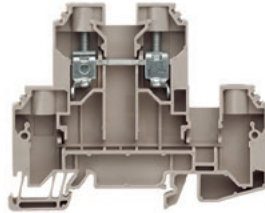
Type	Qty.	Order No.
WDK 10 V	50	1186770000
WDK 10 V BL	50	1186780000

Type	current	Qty.	Order No.
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
SDS 1.0X5.5X150		1	9008350000

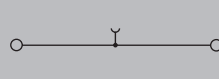
Cross-connections, see section "W series accessories".

WDK 10 L

10 mm<sup>2</sup>



9.9 x 85 x 69  
70 / 16  
1.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800		1000	
57		70	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			



Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

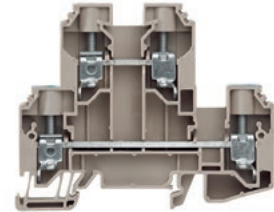
Type	Qty.	Order No.
WDK 10 L	50	1415510000

Type	current	Qty.	Order No.
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
SDS 1.0X5.5X150		1	9008350000

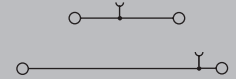
Cross-connections, see section "W series accessories".

WDK 10 DU-N

10 mm<sup>2</sup>



9.9 x 85 x 69  
70 / 16  
1.5...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			



Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
WDK 10 DU-N	50	1415520000

Type	current	Qty.	Order No.
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
SDS 1.0X5.5X150		1	9008350000

Cross-connections, see section "W series accessories".

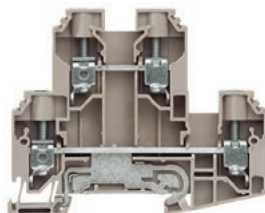


## Screw connection with clamping yoke technology (W-Series)

### Feed-through terminal blocks

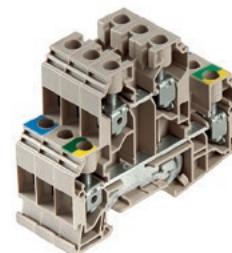
#### WDK 10 DU-PE

10 mm<sup>2</sup>



#### WDK 10 SET BCD

10 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.9 x 85 x 69	
<b>70 / 16</b>	
<b>1.5...16</b>	

29.7 x 85 x 69	
<b>70 / 16</b>	
<b>1.5...16</b>	

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Note	

IEC 60947-7-1 (-7:2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	40	40	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...1.9 Nm / (M 4)			
12 / 1.0 x 5.5 mm			
Note			

IEC 60947-7-1 (-7:2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...1.9 Nm / (M 4)			
12 / 1.0 x 5.5 mm			
Note			

#### Ordering data

Version	
	dark beige
	with PE foot
	dark beige / green / yellow
Note	

Type	Qty.	Order No.
WDK 10 DU-PE	50	1415480000
Note		

Type	Qty.	Order No.
WDK 10 SET BCD	1	1415540000
Note		

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Screwdriver	
	Standard
Cover	
	Blank, white
	Blank, yellow
Identification systems	
Cross-connection	
	black
	blue
	red

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044
Note			

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044
Note			

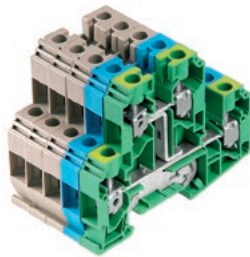
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

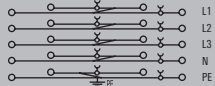
Cross-connections, see section "W series accessories".

WDK 10 SET LS

10 mm<sup>2</sup>



49.5 x 85 x 69  
70 / 16  
1.5...16



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			



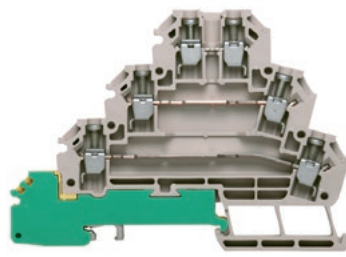
Rated connection	Further connection
1.5...16 / 1.5...16	
1.5...16 / 1.5...16	
1.2...1.9 Nm / (M 4)	
12 / 1.0 x 5.5 mm	

Type	Qty.	Order No.
WDK 10 SET LS	1	1415530000

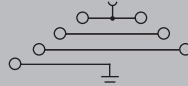
Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044

MAK 2.5

2.5 mm<sup>2</sup>



6.2 x 88 x 63  
31 / 4  
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
500	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			



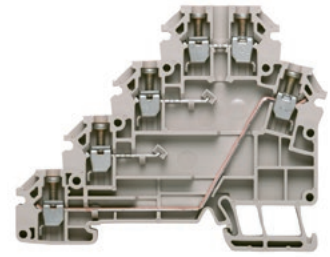
Rated connection	Further connection
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1 / 0.5...1	
0.5...1 / 0.5...0.75	

Type	Qty.	Order No.
MAK 2.5 DB	50	7917030000

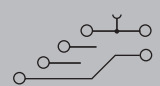
Type	current	Qty.	Order No.
AP MAK2.5 DB		20	7917000000
WEW 35/1		50	1059000000
SDIS 0.6X3.5X100		1	9008390000
DEK 5/5 MC NE WS		1000	1609801044
VQB 1.5/50 SW	17.5 A	5	1635120000
VQB 1.5/50 BL	17.5 A	5	1633280000
VQB 1.5/50 RT	17.5 A	5	1633290000

VLI 1.5

1.5 mm<sup>2</sup>



6.15 x 79.5 x 63  
24 / 4  
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
17.5	10		
1.5	AWG 26...12		
4 kV / 3			
A3 / V-0			



Rated connection	Further connection
0.5...4 / 0.5...2.5	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
8 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
VLI 1.5 DB	50	1784120000
VLI 1.5/PE DB	50	1784130000

Type	current	Qty.	Order No.
AP VLI1.5 DB		20	1784150000
WEW 35/1		50	1059000000
SDIS 0.6X3.5X100		1	9008390000
DEK 5/5 MC NE WS		1000	1609801044
VQB 1.5/50 SW	17.5 A	5	1635120000
VQB 1.5/50 BL	17.5 A	5	1633280000
VQB 1.5/50 RT	17.5 A	5	1633290000

Cross-connections, see section "W series accessories".



# Screw connection with clamping yoke technology (W-Series)

## PE terminal blocks

Universal range

A

### WPE 1.5/R3.5

1.5 mm<sup>2</sup>

Protective earth terminal for TS 15



### WPE 1.5/ZZ

1.5 mm<sup>2</sup>

Twin connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

3.5 x 24.5 x 24	
/ 1.5	
0.13...1.5	

5.1 x 60 x 46.5	
/ 2.5	
0.13...2.5	

### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Tightening torque (mounting screw)	
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-2	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
1.5	AWG 26...18	AWG 26...18	1.5 mm <sup>2</sup>
400			
6			
	180 A (1.5 mm <sup>2</sup> )		
	3		
	A1 / V-0		
Rated connection			
0.5...1.5 / 1.5...1.5			
0.5...1.5 / 0.5...1.5			
0.3 Nm / (M 2)			
7 / 0.4 x 2.5 mm			
PZ 6/5 recommended as crimping tool for 1.5 mm <sup>2</sup> with wire-end ferrule			

IEC 60947-7-2	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
1.5	AWG 26...14	AWG 26...14	1.5 mm <sup>2</sup>
800			
8			
	180 A (1.5 mm <sup>2</sup> )		
	3		
	A1 / V-0		
Rated connection			
0.5...2.5 / 1.5...2.5			
0.5...1.5 / 0.5...1.5			
0.4...0.6 Nm / (M 2.5)			
0.4...0.6 Nm			
7 / 0.6 x 3.5 mm			

### Ordering data

Version	green/yellow
Note	

Type	Qty.	Order No.
WPE 1.5/R3.5	100	1798460000

Type	Qty.	Order No.
WPE 1.5/ZZ	100	1016500000

### Accessories

End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
WAP WDU1.5/R3.5		20	1754190000
EW 15		50	0382860000
DEK 5/3.5 MC NE WS		500	1755270000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

**WPE 2.5/1.5/ZR**

**2.5 mm<sup>2</sup>**

Supplementary connection, right 1.5 mm<sup>2</sup>



5.1 x 60 x 46.5  
/ 4  
0.05...4

2.5mm<sup>2</sup> 1.5mm<sup>2</sup>

PE

IEC 60947-7-2 Ex e II **Ex** II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	1.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

0.4...0.6 Nm / (M 2.5)

0.4...0.6 Nm

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WPE 2.5/1.5/ZR	100	1016400000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

**AKE 2.5**

**2.5 mm<sup>2</sup>**

Protective earth terminal for TS 15



5.1 x 28 x 26  
/ 4  
0.13...4

PE

IEC 60947-7-2 Ex e II **Ex** II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
250			
4			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-2			

CE

**Rated connection**

0.5...4 / 1.5...2.5

0.5...2.5 / 0.5...2.5

0.4...0.6 Nm / (M 2.5)

0.4...0.6 Nm

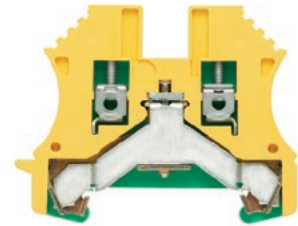
7 / 3.0 x 0.5 mm

Type	Qty.	Order No.
AKE 2.5	100	1303360000

Type	current	Qty.	Order No.
DEK 5/5 MC NE WS		1000	1609801044

**WPE 2.5**

**2.5 mm<sup>2</sup>**



5.1 x 60 x 46.5  
/ 4  
0.05...4

PE

IEC 60947-7-2 Ex e II **Ex** II 2 G D

IEC	UL	CSA	EN 60079-7
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
300 A (2.5 mm <sup>2</sup> )			
3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

0.4...0.6 Nm / (M 2.5)

0.4...0.8 Nm

10 / 0.6 x 3.5 mm

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WPE 2.5	100	1010000000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).



## Screw connection with clamping yoke technology (W-Series)

### PE terminal blocks

#### WPE 2.5N

2.5 mm<sup>2</sup>

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 54 x 37	
/ 4	
0.05...4	

#### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Tightening torque (mounting screw)	
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-2				Ex e II  II 2 G D	
IEC	UL	CSA	EN 60079-7		
2.5	AWG 26...12	AWG 26...12	2.5 mm <sup>2</sup>		
500					
6					
			300 A (2.5 mm <sup>2</sup> )		
			3		
			A3 / V-0		
CE					
Rated connection					
0.5...4 / 1.5...4					
0.5...4 / 0.5...2.5					
0.4...0.6 Nm / (M 2.5)					
0.4...0.6 Nm					
10 / 0.6 x 3.5 mm					
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).					

#### Ordering data

Version	
	green/yellow
Note	

Type	Qty.	Order No.
WPE 2.5N	100	1016200000

#### Accessories

End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
WAP WDU2.5N/4N		50	1060000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

#### AKE 4

4 mm<sup>2</sup>

Protective earth terminal for TS 15



7 x 32 x 34.5	
/ 4	
0.13...4	

IEC 60947-7-2				Ex e II  II 2 G D	
IEC	UL	CSA	EN 60079-7		
4	AWG 26...12	AWG 26...12	4 mm <sup>2</sup>		
500					
6					
			480 A (4 mm <sup>2</sup> )		
			3		
			A3 / V-2		
CE					
Rated connection					
0.5...4 / 1.5...4					
0.5...4 / 0.5...2.5					
0.5...1 Nm / (M 3)					
0.5...1 Nm					
9 / 0.6 x 3.5 mm					

Type	Qty.	Order No.
AKE 4	100	0380260000

Type	current	Qty.	Order No.
DEK 5/6.5 MC NE WS		900	1609840000

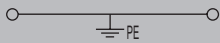


WPE 4

4 mm<sup>2</sup>



6.1 x 56 x 46.5  
/ 6  
0.13...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

CE

**Rated connection**

0.5...6 / 0.5...6  
0.5...6 / 0.5...4  
0.5...1 Nm / (M 3)  
0.4...0.8 Nm  
10 / 0.6 x 3.5 mm

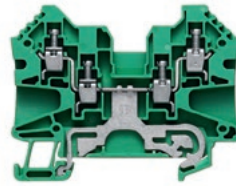
Type	Qty.	Order No.
WPE 4	100	1010100000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

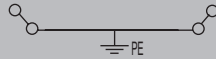
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 4/ZZ

4 mm<sup>2</sup>



6.1 x 70 x 53  
/ 6  
0.05...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 30...10	AWG 30...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

CE

**Rated connection**

0.5...6 / 0.5...4  
0.5...4 / 0.5...4  
0.5...0.8 Nm / (M 3)  
10 / 0.6 x 3.5 mm

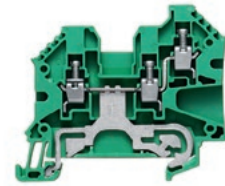
Type	Qty.	Order No.
WPE 4/ZZ	50	1905130000

Type	current	Qty.	Order No.
WAP WDU/WTR4/ZZ		50	1905150000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

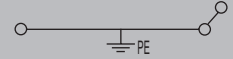
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 4/ZR

4 mm<sup>2</sup>



6.1 x 63.5 x 52.8  
/ 6  
0.05...6



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 30...10	AWG 30...10	4 mm <sup>2</sup>
800			
8			
480 A (4 mm <sup>2</sup> )			
3			
A4 / V-0			

CE

**Rated connection**

0.5...6 / 0.5...4  
0.5...4 / 0.5...4  
0.5...0.8 Nm / (M 3)  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WPE 4/ZR	50	1905120000

Type	current	Qty.	Order No.
WAP WDU/WTR4/ZR		50	1905070000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).



# Screw connection with clamping yoke technology (W-Series)

## PE terminal blocks

Universal range

A

### WPE 4N

4 mm<sup>2</sup>

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 50 x 37	
/ 6	
0.13...6	

#### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Tightening torque (mounting screw)	
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	green/yellow
Note	

#### Accessories

End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Identification systems	
PEN bridge	

For detailed information on other accessories and application in the online catalogue

### WPE 6

6 mm<sup>2</sup>



7.9 x 56 x 46.5	
/ 10	
0.08...10	

IEC 60947-7-2				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7	IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>	6	AWG 20...8	AWG 20...8	6 mm <sup>2</sup>
500				800			
6				8			
	480 A (4 mm <sup>2</sup> )				720 A (6 mm <sup>2</sup> )		
	3				3		
	A3 / V-0				A5 / V-0		
Rated connection				Rated connection			
0.5...6 / 1.5...6				0.5...10 / 1.5...10			
0.5...4 / 0.5...4				0.5...10 / 0.5...6			
0.5...1 Nm / (M 3)				0.8...1.3 Nm / (M 3)			
				0.5...1 Nm			
10 / 0.6 x 3.5 mm				12 / 4.0 x 0.8 mm			
Conductor connection H07V...10 and AWG 8 tighten with 1.4-1.6 Nm.							

Type	Qty.	Order No.
WPE 6	50	1010200000

Type	current	Qty.	Order No.
WAP WDU2.5N/4N		50	1060000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS	1000		1609820000
WS 12/6 MC NE WS	600		1609900000
WS 8/6 MM WS	600		2007160000
DEK 5/6 MM WS	600		2007120000
SDS 0.8X4.0X100		1	9008340000
DEK 5/8 MC NE WS	800		1856740000
WS 12/6.5 MC NE WS	540		1609920000
WS 8/6 MM WS	600		2007160000
DEK 5/6 MM WS	600		2007120000

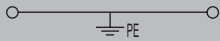
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 10

10 mm<sup>2</sup>



9.9 x 56 x 46.5  
/ 16  
1.31...16



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 16...6	10 mm <sup>2</sup>
1000			
8			
1200 A (10 mm <sup>2</sup> )			
3			
B6 / V-0			

CE

Rated connection

- 1.5...16 / 1.5...16
- 1.5...16 / 1.5...16
- 1.2...1.9 Nm / (M 4)
- 0.5...1 Nm
- 12 / 1.0 x 5.5 mm

AWG 6/7 and H07V-R16 tighten with 2.4 Nm.

Type	Qty.	Order No.
WPE 10	50	1010300000

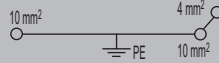
Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
WQB-PEN 10	57 A	10	1060300000

WPE 10/ZR

10 mm<sup>2</sup>



9.9 x 66 x 49  
/ 16  
1.31...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 16...6	AWG 14...6	
1000			
8			
1200 A (10 mm <sup>2</sup> )			
3			
B6, A4 / V-0			

CE

Rated connection

- 1.5...16 / 1.5...16
- 1.5...16 / 1.5...16
- 1.2...1.9 Nm / (M 4)
- 0.5...1 Nm
- 12 / 0.6 x 3.5 mm

Max. conductor cross-sections refer to 10 mm<sup>2</sup> and 16 mm<sup>2</sup> connections. Tighten AWG 6/7 and H07V-R16 to 2.4 Nm.

Type	Qty.	Order No.
WPE 10/ZR	50	1042500000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
WQB-PEN 10	57 A	10	1060300000

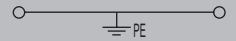
Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

WPE 16

16 mm<sup>2</sup>



11.9 x 56 x 62.5  
/ 25  
1.5...25



IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
16	AWG 14...4	AWG 14...6	16 mm <sup>2</sup>
1000			
8			
1920 A (16 mm <sup>2</sup> )			
3			
B7 / V-0			

CE

Rated connection

- 1.5...16 / 1.5...25
- 1.5...25 / 1.5...16
- 2...3.6 Nm / (M 5)
- 1.2...2.4 Nm
- 16 / 1.0 x 5.5 mm

For 25 mm<sup>2</sup> TS 35 x 15 (steel, 1.5 mm thick) should be used. Tighten H07V-16 and AWG 6 conductors to 2.0-2.4 Nm.

Type	Qty.	Order No.
WPE 16	50	1010400000

Type	current	Qty.	Order No.
WEW 35/1		50	1059000000
SDS 1.0X5.5X150		1	9008350000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
WQB-PEN 16	76 A	10	1060200000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).



# Screw connection with clamping yoke technology (W-Series)

## PE terminal blocks

Universal range

A

### WPE 16N

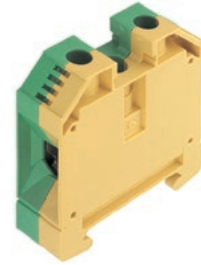
16 mm<sup>2</sup>

Compact design



### WPE 35

35 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12 x 56 x 46.5	
/ 25	
1.5...25	

16 x 56 x 62.5	
/ 35	
2.5...35	

### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Tightening torque (mounting screw)	
Stripping length / Blade size	mm/-

**Note**

### Ordering data

Version	
	green/yellow

**Note**

### Accessories

PEN bridge	
End bracket	dark beige
Screwdriver	Standard
Identification systems	

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
16	AWG 14...6	AWG 14...6	
400			
6			
	1920 A (16 mm <sup>2</sup> )		
	3		
	B7 / V-0		

CE

Rated connection	
1.5...16 / 1.5...25	
1.5...16 / 1.5...16	
1.2...2.4 Nm / (M 4)	
0.5...1 Nm	
12 / 1.0 x 5.5 mm	

25 mm<sup>2</sup> stranded requires a tightening torque of 2.2 Nm.

Type	Qty.	Order No.
WPE 16N	50	1019100000

Type	current	Qty.	Order No.
WQV 16N-PEN BL	76 A	10	1071360000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

IEC 60947-7-2

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
35	AWG 12...2	AWG 12...2	35 mm <sup>2</sup>
800			
8			
	4200 A (35 mm <sup>2</sup> )		
	3		
	B8 / V-0		

CE

Rated connection	
2.5...16 / 2.5...35	
2.5...35 / 2.5...35	
5 Nm / (M 6)	
1.2...2.4 Nm	
18 / 6.5 x 1.2 mm	

Type	Qty.	Order No.
WPE 35	25	1010500000

Type	current	Qty.	Order No.
WQB-PEN 35	135 A	10	1060100000
WEW 35/1		50	1059000000
SDS 1.2X6.5X150		1	9009010000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

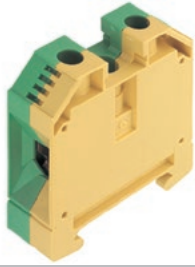
For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

**WPE 35/IKSC**

**35 mm<sup>2</sup>**



16 x 56 x 62.5  
/ 35  
2.5...35

IEC 60947-7-2		Ex e II				II 2 G D	
IEC	UL	CSA	EN 60079-7				
35	AWG 12...1	AWG 12...2	35 mm <sup>2</sup>				
800							
8							
4200 A (35 mm <sup>2</sup> )							
3							
B8 / V-0							

CE

**Rated connection**

2.5...16 / 2.5...35
2.5...35 / 2.5...35
5 Nm / (M 6)
1.2...2.4 Nm
18 / 6.5 x 1.2 mm

Type	Qty.	Order No.
WPE 35/IKSC	25	1012600000

Type	current	Qty.	Order No.
WQB-PEN 35	135 A	10	1060100000
WEW 35/1		50	1059000000
SDS 1.2X6.5X150		1	9009010000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

**WPE 35N**

**35 mm<sup>2</sup>**

Compact design



16 x 66 x 50.5  
/ 50  
2.5...50

IEC 60947-7-2		Ex e II				II 2 G D	
IEC	UL	CSA	EN 60079-7				
35	AWG 12...2		35 mm <sup>2</sup>				
400							
6							
4200 A (35 mm <sup>2</sup> )							
3							
B8 / V-0							

CE

**Rated connection**

2.5...16 / 2.5...50
2.5...35 / 2.5...35
4...5 Nm / (M 6)
1.2...2.4 Nm
18 / 6.5 x 1.2 mm

Type	Qty.	Order No.
WPE 35N	20	1717740000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 1.2X6.5X150		1	9009010000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

**WPE 50N**

**50 mm<sup>2</sup>**

Compact design



18.5 x 71 x 69.6  
/ 70  
5.26...70

IEC 60947-7-2		Ex e II				II 2 G D	
IEC	UL	CSA	EN 60079-7				
50	AWG 10...0	AWG 14...0	50 mm <sup>2</sup>				
1000							
8							
6000 A (50 mm <sup>2</sup> )							
3							
B10 / V-0							

CE

**Rated connection**

10...16 / 10...70
10...50 / 10...50
4...6 Nm / (M 6)
3...4 Nm
24 / S4 (DIN 69111)

For 50 and 70 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 50N	10	1846040000

Type	current	Qty.	Order No.
WQV PEN 50N	150 A	5	9201610000
WEW 35/1		50	1059000000
SKS 2,0-8,0 MR		1	9008870000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).



# Screw connection with clamping yoke technology (W-Series)

## PE terminal blocks

Universal range

A

### WPE 70N/35

70 mm<sup>2</sup>

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

20.5 x 75 x 85	
/ 95	
16...95	

#### Technical data

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

#### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Tightening torque (mounting screw)	
Stripping length / Blade size	mm/-

#### Note

#### Ordering data

Version	green/yellow
Note	

#### Accessories

PEN bridge	
End bracket	dark beige
Screwdriver	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

### WPE 95N/120N

95 mm<sup>2</sup>

Compact design



27 x 91 x 90	
/ 150	
16...150	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
70	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>
95	AWG 4...0	AWG 4...0	120 mm <sup>2</sup>
1000			
8			
	8400 A (70 mm <sup>2</sup> )		
	3		
	B11 / V-0		
	11400 A (95 mm <sup>2</sup> )		
	3		
	B13 / V-0		

CE

#### Rated connection

16...16 / 16...95
16...120 / 16...95
16...20 Nm / (M 10)
3...4 Nm
27 / S6 (DIN 6911)

For 50 - 150 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Type	Qty.	Order No.
WPE 95N/120N	5	1846030000
UL, CSA and ATEX certifications are pending		

Type	current	Qty.	Order No.
WQV PEN 95N/120N	192 A	5	9201630000
WEW 35/1		50	1059000000
SKS 2,0-8,0 MR		1	9008870000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

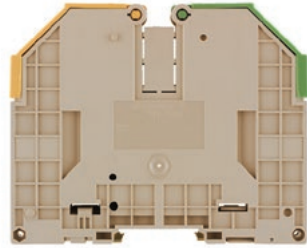
Rail holder for protective isolation installation of the mounting rail "SH 2" Order no. 0494920000 (qty. 10).

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

**WPE 70/95**

**95 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



27 x 132 x 107	
<b>/ 120</b>	
<b>13.3...120</b>	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
95	AWG 6...0	AWG 6...0	120 mm <sup>2</sup>
1000			
8			
11400 A (95 mm <sup>2</sup> )			
3			
B12 / V-0			

CE

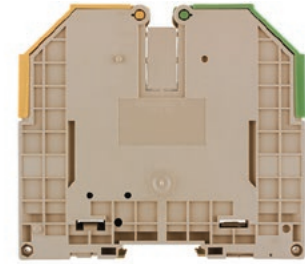
Rated connection	
16...16 / 16...120	
16...95 / 16...95	
6...12 Nm / (M 8)	
3...6 Nm	
30 / S6 (DIN 6911)	

For 50 - 120 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

**WPE 120/150**

**120 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



32 x 132 x 117	
<b>/ 150</b>	
<b>33.62...150</b>	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
120	AWG 2...250	AWG 2...250	150 mm <sup>2</sup>
1000			
8			
14400 A (120 mm <sup>2</sup> )			
3			
B13 / V-0			

CE

Rated connection	
/ 35...150	
35...150 / 35...150	
10...20 Nm / (M 10)	
3...6 Nm	
35 / S6 (DIN 6911)	

For 50 - 150 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Tightening torque (mounting screw)	
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	green/yellow
<b>Note</b>	

**Accessories**

<b>PEN bridge</b>	
<b>End bracket</b>	dark beige
<b>Identification systems</b>	
<b>Screwdriver</b>	Standard

Type	Qty.	Order No.
WPE 70/95	10	<b>1037300000</b>

Type	current	Qty.	Order No.
WQV 70/95-PEN	192 A	5	<b>1072300000</b>
WEW 35/1		50	<b>1059000000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>
SKS 2,0-8,0 MR		1	<b>9008870000</b>

Type	Qty.	Order No.
WPE 120/150	10	<b>1019700000</b>

Type	current	Qty.	Order No.
WQV 120-PEN	269 A	5	<b>1072400000</b>
WEW 35/1		50	<b>1059000000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>
SKS 2,0-8,0 MR		1	<b>9008870000</b>

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).



# Screw connection with clamping yoke technology (W-Series)

## PE terminal blocks

Universal range

A

### WDK 2.5 PE

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 69.5 x 62.5	
/ 4	
0.05...4	

#### Technical data

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5	AWG 22...12	AWG 26...12	2.5 mm <sup>2</sup>
400			
6			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A3 / V-0		
CE			
<b>Rated connection</b>			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
10 /			
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

#### Ordering data

<b>Version</b>	green/yellow
<b>Note</b>	

Type	Qty.	Order No.
WDK 2.5PE	100	1036300000

#### Accessories

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	
<b>Cover</b>	Blank, white Blank, yellow

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

### WDK 2.5N PE

2.5 mm<sup>2</sup>



#### Compact design

5.1 x 60.7 x 54.95	
/ 4	
0.05...4	

IEC 60947-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
2.5		AWG 26...12	2.5 mm <sup>2</sup>
800			
8			
	300 A (2.5 mm <sup>2</sup> )		
	3		
	A3 / V-0		
CE			
<b>Rated connection</b>			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
8 / 0.6 x 3.5 mm			
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).			

Type	Qty.	Order No.
WDK 2.5N PE	100	1041620000

Type	current	Qty.	Order No.
WAP WDK2.5/4 N		20	1084000000
WAP WDK2.5/4 N BL		20	1084080000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

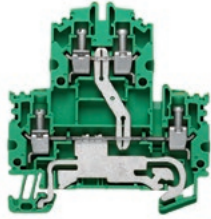
Rail support for protective-insulated installation of mounting rail "SH 2", order no. 0494920000 (QTY 10). Cross-connections, see section "W series accessories".



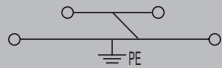
**WDK 4N PE**

**4 mm<sup>2</sup>**

Compact design



6.1 x 60.7 x 63.25  
/ 6  
0.13...6



IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
4	AWG 26...10	AWG 26...10	4 mm <sup>2</sup>
800			
8			
	480 A (4 mm <sup>2</sup> )		
	3		
	A3 / V-0		

CE

**Rated connection**

0.5...6 / 1.5...6

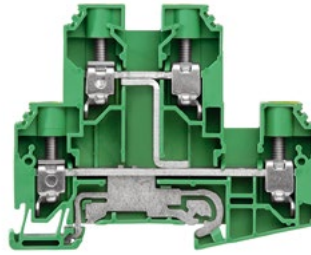
0.5...4 / 0.5...4

0.5...1 Nm / (M 3)

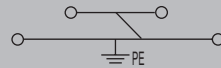
8 / 0.6 x 3.5 mm

**WDK 10 PE**

**10 mm<sup>2</sup>**



9.9 x 85 x 69  
70 / 16  
1.5...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
10	AWG 18...6	AWG 18...6	
800			
8			
	1200 A (10 mm <sup>2</sup> )		
	3		
	B6 / V-0		

**Rated connection**

1.5...16 / 1.5...16

1.5...16 / 1.5...16

1.2...1.9 Nm / (M 4)

12 / 1.0 x 5.5 mm

Type	Qty.	Order No.
WDK 4N PE	100	1041920000

Type	Qty.	Order No.
WDK 10 PE	50	1415470000

Type	current	Qty.	Order No.
WAP WDK2.5/4 N		20	1084000000
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/6 PLUS MC NE WS		600	1951880000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
DEK 5/5 MC NE WS		1000	1609801044
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Cross-connections, see section "W series accessories".



## Screw connection with clamping yoke technology (W-Series)

### Fuse terminal blocks

WSI 4

4 mm<sup>2</sup>

WSI 4

Overload and short-circuit protection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8 x 50.7 x 42.5  
**6.3 / 4**  
**0.5...4**



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	

#### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

**Note**

#### Ordering data

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
140-250 V AC/DC, with LED	

**Note**

#### Accessories

End bracket	
	dark beige

Screwdriver	
	With "swifty set" cutting device
	Standard

G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast

#### Identification systems

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
6.3	15	15	
4	AWG 30...12	AWG 30...12	
6 kV / 3			
V-0			

CE

Rated connection	
	0.5...4 / 1.5...4
	0.5...4 / 0.5...2.5
	0.4 Nm / (M 3)
	0.6 x 3.5 mm

**Note**

Type	Qty.	Order No.
WSI 4	50	1886580000
WSI 4/LD 10-36V AC/DC	50	1886590000
WSI 4/LD 30-70V AC/DC	50	1886560000
WSI 4/LD 60-150V AC/DC	50	1886570000
WSI 4/LD 140-250V AC/DC	50	1886550000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
<b>SWIFTY SET</b>			
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000

G 20/0.25A/F	10	0430500000
G 20/0.50A/F	10	0430600000
G 20/1.00A/F	10	0430700000
G 20/2.00A/F	10	0430900000

DEK 5/5 MC NE WS	1000	1609801044
WS 12/6 MC NE WS	600	1609900000

Type	Order No.
WSI 4	1886580000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	63 °C	4.0 W / 6.3 A	34 °C	1.6 W / 6.3 A
In combination	47 °C	2.5 W / 6.3 A	23 °C	1.6 W / 6.3 A

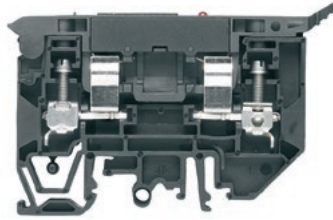
For detailed information on other accessories and application in the online catalogue

WSI 4/2

4 mm<sup>2</sup>

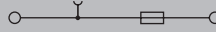
WSI 4/2

Overload and short-circuit protection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.1 x 81.6 x 53.5
<b>6.3 / 4</b>
<b>0.5...4</b>



### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (C)	
6.3	15	15	
4	AWG 30...10	AWG 30...10	
6 kV / 3			
V-0			

CE

Rated connection	
0.5...6 / 1.5...6	
0.5...6 / 0.5...4	
0.5...0.8 Nm / (M 3)	
0.6 x 3.5 mm	

Width/height/depth = 9.1 x 58.5 x 81.6 mm

### Ordering data

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
140-250 V AC/DC, with LED	
Note	

Type	Qty.	Order No.
WSI 4/2	25	<b>1880430000</b>
WSI 4/2/LD 10-36V AC/DC	25	<b>1880410000</b>
WSI 4/2/LD 30-70V AC/DC	25	<b>1880440000</b>
WSI 4/2/LD 60-150V AC/DC	25	<b>1880420000</b>
WSI 4/2/LD 140-250V AC/DC	25	<b>1880390000</b>

### Accessories

End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	With "swifty set" cutting device
	Standard
G25 with indicator / imperial (inch) fuse	
	0.50 A medium slow / 2 A
	2.00 A fast / 5 A
	4.00 A fast / 10 A
Identification systems	

Type	current	Qty.	Order No.
WAP WSI4/2		50	<b>1880450000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
GZ 2.0A/F		10	<b>1460600000</b>
GZ 5.0A/F		10	<b>1460620000</b>
GZ 10.0A		10	<b>0293900000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>

Type	Order No.
WSI 4/2	<b>1880430000</b>

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	55 °C	4.0 W / 10 A	35 °C	2.5 W / 2.5 A
In combination	68 °C	2.5 W / 2.5 A	41 °C	1.6 W / 1.0 A

For detailed information on other accessories and application in the online catalogue



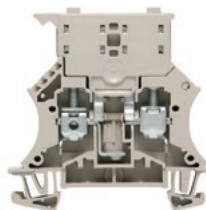
## Screw connection with clamping yoke technology (W-Series)

### Fuse terminal blocks

#### WSI 6

6 mm<sup>2</sup>

##### Metric fuses

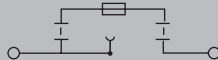


#### WSI 6

##### Overload and short-circuit protection

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

7.9 x 60 x 61  
**6.3 / 10**  
**0.5...10**



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	600 (C)	
6.3	9.5	10	
6	AWG 22...8	AWG 20...8	
6 kV / 3			
V-0			

CE, IEC, UL, CSA, EN, VDE, TÜV

Rated connection	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm / (M 3.5)	
0.8 x 4.0 mm	

#### Note

#### Ordering data

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
140-250 V AC/DC, with LED	

Type	Qty.	Order No.
WSI 6	50	1011000000

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
	Lock washer
	Mounting screw
End plate / Partition plate	
	dark beige
	dark beige
Screwdriver	
End bracket	
	dark beige
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
Identification systems	

Type	current	Qty.	Order No.
QL 2 SAK6N	32 A	50	0194300000
QL 10 SAK6N	32 A	20	0338300000
SS M3 D 128-A 3		50	0164400000
KISC M3X5		100	1052100000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
SDS 0.8X4.0X100		1	9008340000
WEW 35/2		100	1061200000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

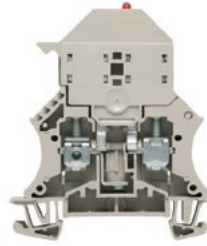
For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

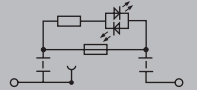
**WSI 6 LD**

**6 mm<sup>2</sup>**

Metric fuses / bipolar LED



7.9 x 60 x 71.5  
**6.3 / 10**  
**0.5...10**



**WSI 6 LD**

Overload and short-circuit protection

Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

**Note**

**Ordering data**

Version	
	500 V AC/DC, without LED
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED
<b>Note</b>	

**Accessories**

Screwable cross-connection	
	2-pole
	10-pole
	Lock washer
	Mounting screw
End plate / Partition plate	
	dark beige
	dark beige
Screwdriver	
End bracket	
	dark beige
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
	0.25 A fast
	0.50 A fast
	1.00 A fast
	2.00 A fast
Identification systems	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
6.3			
6	AWG 22...8	AWG 20...8	
	6 kV / 3		
	V-0		

CE, ENEC, UL, VDE, TÜV, NEMA

Rated connection	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm / (M 3.5)	
0.8 x 4.0 mm	

**Note**

Type	Qty.	Order No.
WSI 6/LD 10-36V DC/AC	50	1011300000
WSI 6/LD 30-70V DC/AC	50	1012200000
WSI 6/LD 60-150V DC/AC	50	1012300000
WSI 6/LD 250AC	50	1012400000
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.		

Type	current	Qty.	Order No.
QL 2 SAK6N	32 A	50	0194300000
QL 10 SAK6N	32 A	20	0338300000
SS M3 D 128-A 3		50	0164400000
KISC M3X5		100	1052100000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
SDS 0.8X4.0X100		1	9008340000
WEW 35/2		100	1061200000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000
DEK 5/8 MM WS		500	2007130000
WS 8/8 MM WS		500	2007170000

Type	Order No.
WSI 6/LD 10-36V DC/AC	1011300000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	42 °C	4.0 W / 6.3 A	31 °C	1.6 W / 3.0 A
In combination	36 °C	225 W / 6.3 A	27 °C	1.6 W / 3.0 A

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".



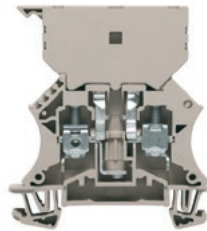
## Screw connection with clamping yoke technology (W-Series)

### Fuse terminal blocks

#### WSI 6/2

6 mm<sup>2</sup>

Imperial fuses

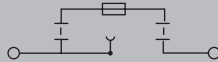


#### WSI 6/2

Overload and short-circuit protection

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 60 x 66.5  
**6.3 / 10**  
**0.5...10**



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	600 (C)	150 (C)	
6.3	16	16	
6	AWG 22...8	AWG 20...6	
6 kV / 3			
V-0			

CE TÜV IEC VDE UL

Rated connection	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm / (M 3.5)	
0.8 x 4.0 mm	

Fuse inserts or contact sleeves should be attached in the middle.

#### Note

#### Ordering data

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
140-250 V AC/DC, with LED	

#### Note

Type	Qty.	Order No.
WSI 6/2 GZ/DEF63	25	1014000000

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

#### Accessories

Screwable cross-connection	
2-pole	
10-pole	
Lock washer	
Mounting screw	
End plate / Partition plate	
dark beige	
dark beige	
G25 with indicator / imperial (inch) fuse	
0.50 A medium slow / 2 A	
2.00 A fast / 5 A	
4.00 A fast / 10 A	
Identification systems	

Type	current	Qty.	Order No.
QL 2 SAK16	76 A	50	0470700000
QL 10 SAK16	76 A	20	0471000000
SS M3 D 128-A 3		50	0164400000
KISC M3X5		100	1052100000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
GZ 2.0A		10	0294500000
GZ 5.0A		10	0294600000
GZ 10.0A		10	0293900000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

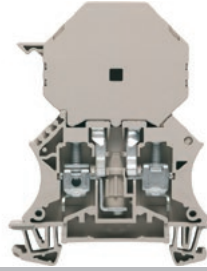
Type	Order No.
WSI 6/2 GZ/DEF63	1014000000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	52 °C	4.0 W / 10.0 A	42 °C	2.5 W / 2.5 A
In combination	62 °C	2.5 W / 2.5 A	30 °C	2.5 W / 2.5 A

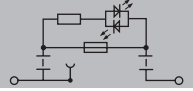
**WSI 6/2 m. LED**

**6 mm<sup>2</sup>**

Imperial fuses / bipolar LED



11.9 x 60 x 78.5  
**6.3 / 10**  
**0.5...10**



**WSI 6/2 m. LED**

Overload and short-circuit protection

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
6.3			
6	AWG 22...8	AWG 20...6	
	6 kV / 3		
	V-0		

CE

Rated connection	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
0.8...1.6 Nm / (M 3.5)	
0.8 x 4.0 mm	
Note	
Fuse inserts or contact sleeves should be attached in the middle.	

**Ordering data**

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
140-250 V AC/DC, with LED	
Note	

Type	Qty.	Order No.
WSI 6/2/LD 10-36V DC/AC	25	1014100000
WSI 6/2/LD 30-70V DC/AC	25	1014200000
WSI 6/2/LD 60-150VDC/AC	25	1014300000
WSI 6/2/LD 250AC	25	1014400000
Note		
Max. power loss (1.6 W) at the cartridge fuse limits the rated current.		

**Accessories**

Screwable cross-connection	
2-pole	
10-pole	
Lock washer	
Mounting screw	
End plate / Partition plate	
dark beige	
dark beige	
G25 with indicator / imperial (inch) fuse	
0.50 A medium slow / 2 A	
2.00 A fast / 5 A	
4.00 A fast / 10 A	
Identification systems	

Type	current	Qty.	Order No.
QL 2 SAK16	76 A	50	0470700000
QL 10 SAK16	76 A	20	0471000000
SS M3 D 128-A 3		50	0164400000
KISC M3X5		100	1052100000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
GZ 2.0A		10	0294500000
GZ 5.0A		10	0294600000
GZ 10.0A		10	0293900000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

Type	Order No.
WSI 6/2/LD 10-36V DC/AC	1014100000

Arrangement	Applications			
	Only short-circuit protection		Overload and short-circuit protection	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	52 °C	4.0 W / 10.0 A	42 °C	2.5 W / 2.5 A
In combination	62 °C	2.5 W / 2.5 A	30 °C	2.5 W / 2.5 A

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".



## WSI 6 LD LLC fused terminal blocks with minimised leakage current

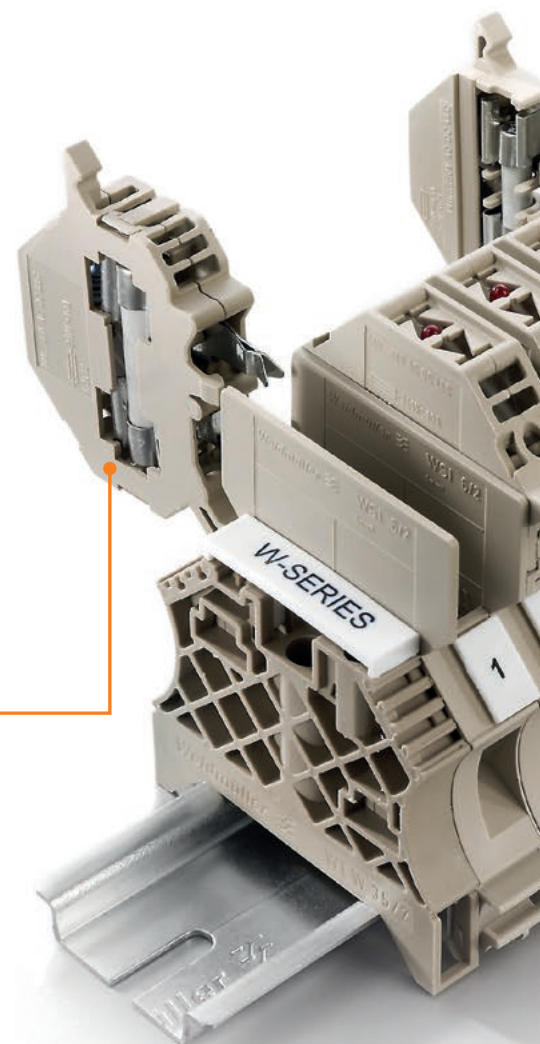
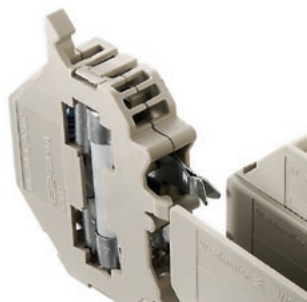
Clearly visible status LED with extremely low leakage current for error indication with an optimal energy balance

Weidmüller has extended its line of screw connect fuse terminals to include the WSI 6 LD LLC and WSI 6/2 LD LLC variants. The terminals have bright status displays which are wired in parallel with the fuse so that, in the event of an outage, the fuse supplies a low leakage current to the LEDs. Since this is undesired current, it is maintained at the lowest level possible. Weidmüller's BFI (Blown Fuse Indicator) circuitry is designed for a reduced leakage current of less than 500 µA. Despite the reduced leakage current, the status displays are still very bright and thus always easy to see.

The leakage current of the bipolar LED circuitry complies with the CSA standard C22.2 No. 39 for fuse holder units and the UL standard 512 for fuse holders.

### Fuse is convenient to replace

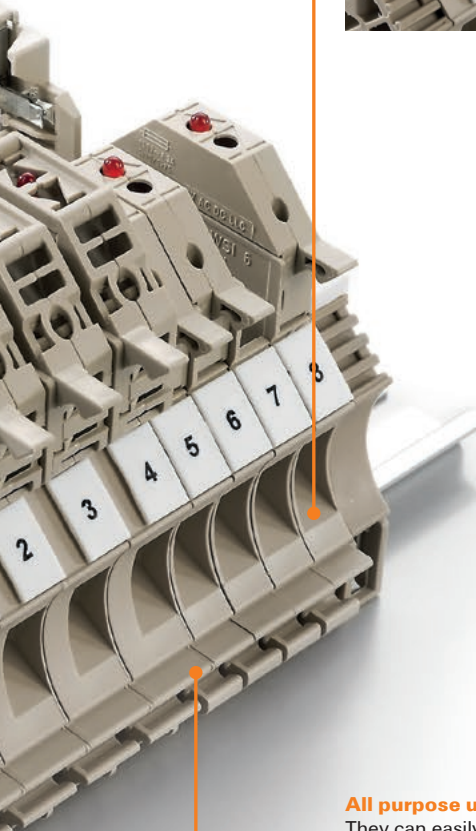
The fuse holder is easy to access and can pivot, so you can quickly and safely replace a blown fuse.





**Good cable visibility**

Because of the broad width, visibility remains clear and accessible even with many wires connected.



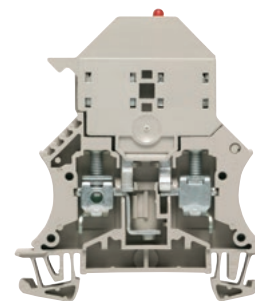
**All purpose usage**

They can easily be used in applications with larger wire cross sections of up to 10 mm<sup>2</sup>, thanks to their size and the use of larger connection elements.



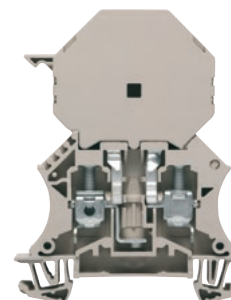
**WSI 6 LD LLC**

The WSI-6-LD-LLC variants, with their thin 7.9 mm width, are perfect for use with the 5 x 20 mm fuses.



**WSI 6/2 LD LLC**

The WSI-6/2-LD-LLC variants, with their width of 11.9 mm, are the best solution for use with 1 1/4" x 1/4" fuses.

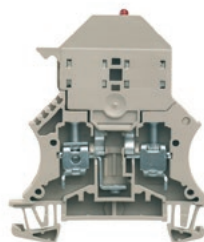


## Screw connection with clamping yoke technology (W-Series)

### Fuse terminal blocks

WSI 6/LD LLC

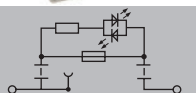
6 mm<sup>2</sup>



7.9 x 60 x 71.5

6.3 / 10

0.5...10



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	

#### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

#### Note

#### Ordering data

<b>Version</b>	
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED

#### Note

#### Accessories

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
	Mounting screw

#### End plate / Partition plate

dark beige  
dark beige

#### End bracket

dark beige

#### G-fuse cartridge, 5 x 20 mm (IEC 60127-2)

0.25 A fast  
0.50 A fast  
1.00 A fast  
2.00 A fast

#### Screwdriver

#### Identification systems

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
6.3			
6	AWG 22...8	AWG 20...8	
			/ 3
			V-0



#### Rated connection

0.5...10 / 1.5...10
0.5...10 / 0.5...6
0.8...1.6 Nm / (M 3.5)
0.8 x 4.0 mm

Type	Qty.	Order No.
WSI 6/LD 10-36V LLC	50	1119840000
WSI 6/LD 30-70V LLC	50	1119830000
WSI 6/LD 60-150V LLC	50	1119850000
WSI 6/LD 250AC LLC	50	1119870000

Type	current	Qty.	Order No.
QL 2 SAK6N	32 A	50	0194300000
QL 10 SAK6N	32 A	20	0338300000
KISC M3X20 SAK10 CU5		100	0377100000

WAP 2.5-10	50	1050000000
WAP 16+35 WTW 2.5-10	20	1050100000

WEW 35/2	100	1061200000
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G 20/0.25A/F	10	0430500000
G 20/0.50A/F	10	0430600000
G 20/1.00A/F	10	0430700000
G 20/2.00A/F	10	0430900000

SDS 0.8X4.0X100	1	9008340000
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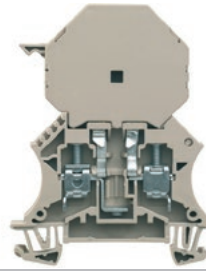
DEK 5/8 MC NE WS	800	1856740000
WS 12/6.5 MC NE WS	540	1609920000
DEK 5/8 MM WS	500	2007130000
WS 8/8 MM WS	500	2007170000

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".

WSI 6/2/LD LLC

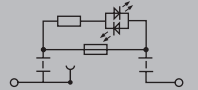
6 mm<sup>2</sup>



11.9 x 60 x 78.5

6.3 / 10

0.5...10



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

**Note**

### Ordering data

<b>Version</b>	
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	140-250 V AC/DC, with LED

**Note**

### Accessories

<b>Screwable cross-connection</b>	
	2-pole
	10-pole
	Lock washer
	Mounting screw

<b>End plate / Partition plate</b>	
	dark beige
	dark beige

<b>End bracket</b>	
	dark beige

<b>G25 with indicator / imperial (inch) fuse</b>	
	0.50 A medium slow / 2 A
	2.00 A fast / 5 A
	4.00 A fast / 10 A

<b>Screwdriver</b>	
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<b>Identification systems</b>	
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IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500			
6.3			
6	AWG 22...8	AWG 20...8	
			/ 3
			V-0

<b>Rated connection</b>	
	0.5...10 / 1.5...10
	0.5...10 / 0.5...6
	0.8...1.6 Nm / (M 3.5)
	0.8 x 4.0 mm

Type	Qty.	Order No.
WSI 6/2/LD 10-36V LLC	25	1119800000
WSI 6/2/LD 30-70V LLC	25	1119810000
WSI 6/2/LD 60-150V LLC	25	1119820000
WSI 6/2/LD 250AC LLC	25	1119790000

Type	current	Qty.	Order No.
QL 2 SAK16	76 A	50	0470700000
QL 10 SAK16	76 A	20	0471000000
SS M3 D 128-A 3		50	0164400000
KISC M3X5		100	1052100000

WAP 2.5-10	50	1050000000
WAP 16*35 WTW 2.5-10	20	1050100000

WEW 35/2	100	1061200000
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GZ 2.0A	10	0294500000
GZ 5.0A	10	0294600000
GZ 10.0A	10	0293900000

SDS 0.8X4.0X100	1	9008340000
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DEK 5/8 MC NE WS	800	1856740000
WS 12/6.5 MC NE WS	540	1609920000

For detailed information on other accessories and application in the online catalogue

Markers only fit on one side. Cross-connections, see section "W series accessories".



## Screw connection with clamping yoke technology (W-Series)

### Fuse terminal blocks

#### WSI 25 10x38

25 mm<sup>2</sup>



#### WSI 25 CC

25 mm<sup>2</sup>



Width/Height/Depth	mm	18 x 81 x 58
max. current / max. cond. cross-section	A/mm <sup>2</sup>	32 / 25
Max. clamping range	mm <sup>2</sup>	1.5...25

Width/Height/Depth	mm	18 x 81 x 58
max. current / max. cond. cross-section	A/mm <sup>2</sup>	32 / 25
Max. clamping range	mm <sup>2</sup>	1.5...25

Width/Height/Depth	mm	18 x 81 x 58
max. current / max. cond. cross-section	A/mm <sup>2</sup>	32 / 25
Max. clamping range	mm <sup>2</sup>	1.5...25

#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60947-7-3			
IEC	UL	CSA	EN 60079-7
690		600 (C)	
32		30	
25		AWG 18...3	
		6 kV / 3	
		V-0	
CE			
Rated connection			
1.5...25 / 1.5...25			
1.5...25 / 1.5...25			
2...2.5 Nm /			

IEC 60947-7-3			
IEC	UL	CSA	EN 60079-7
690			
32			
25		AWG 18...3	
		6 kV / 3	
		V-0	
CE			
Rated connection			
1.5...25 / 1.5...25			
1.5...25 / 1.5...25			
2...2.5 Nm /			

**Note**

Suitable for fuse inserts acc. to IEC 60269-6 with power losses up to 3 W maximum.440 V DC

Suitable for fuse cartridges in accordance with IEC 60269-6 with power losses up to max. 3 W.Suitable for fuse cartridges in accordance with UL 248-4.

#### Ordering data

Version	
1-pin, without LED	
2-pin, without LED	
3-pin, without LED	
1-pin, with LED	

Type	Qty.	Order No.
WSI 25/1 10x38	12	1966020000
WSI 25/2 10x38	6	1966090000
WSI 25/3 10x38	4	1966080000
WSI 25/1 10x38/LED	12	1966060000

1000 VDC rated voltage tested.

Type	Qty.	Order No.
WSI 25/1 CC	12	1966050000
WSI 25/2 CC	6	1966040000
WSI 25/3 CC	4	1966030000
WSI 25/1 CC/LED	12	1966070000

**Note**

#### Accessories

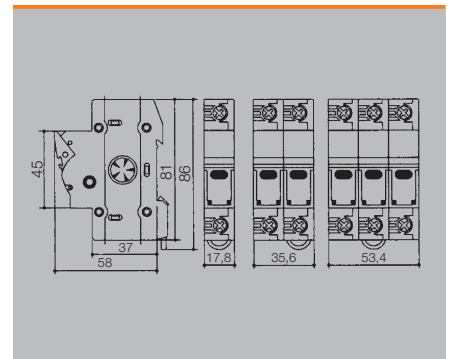
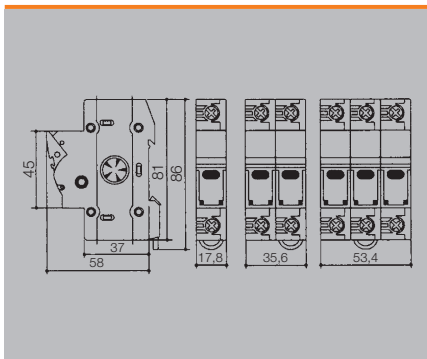
Identification systems	
Marking tags	

Type	current	Qty.	Order No.
ESG 6/15 K MC NE WS		200	1880100000

Type	current	Qty.	Order No.
ESG 6/15 K MC NE WS		200	1880100000

For detailed information on other accessories and application in the online catalogue

#### Technical drawing



**WSI 25/1 10x38 1KV**

25 mm<sup>2</sup>



**WSI 25 10x85 1.5 KV**

25 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

18 x 81 x 58
<b>30 / 25</b>
<b>1.5...25</b>

22.5 x 130 x 65
<b>32 / 25</b>
<b>0.75...25</b>

**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60269-1

IEC	UL	CSA	EN 60079-7
1000		600 (C)	
30		30	
25		AWG 18...8	
		6 kV / 3	
		V-0	

IEC 60269-6

IEC	UL	CSA	EN 60079-7
1500			
32			
25			
		6 kV / 3	
		V-0	



**Rated connection**

1.5...25 / 1.5...25
1.5...25 / 1.5...25
2...2.5 Nm /



**Rated connection**

/ 1.5...25
0.75...16 / 0.75...16
2...2.5 Nm / (M 5)
Gr. PZ2

**Note**

Suitable for fuse cartridges to IEC 60269-6 with power loss up to 3 W maximum.

**Ordering data**

<b>Version</b>	
	1-pin, without LED
	1-pin, with LED

Type	Qty.	Order No.
WSI 25/1 10x38 1KV	12	<b>1137790000</b>
WSI 25/1 10X38/LED 1KV	12	<b>1137780000</b>

Type	Qty.	Order No.
WSI 25 10X85 1.5KV	5	<b>2469360000</b>

**Note**

**Accessories**

<b>Safety fuses</b>	
2 A	
4 A	
6 A	
10 A	
12 A	
16 A	
20 A	

Type	current	Qty.	Order No.
FUSE 1KV DC 2A 10/38		10	<b>1224870000</b>
FUSE 1KV DC 4A 10/38		10	<b>1224880000</b>
FUSE 1KV DC 6A 10/38		10	<b>1224890000</b>
FUSE 1KV DC 10A 10/38		10	<b>1224910000</b>
FUSE 1KV DC 12A 10/38		10	<b>1224920000</b>
FUSE 1KV DC 16A 10/38		10	<b>1224930000</b>
FUSE 1KV DC 20A 10/38		10	<b>1224950000</b>

For detailed information on other accessories and application in the online catalogue



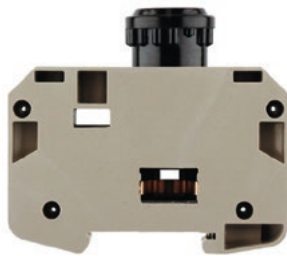
## Screw connection with clamping yoke technology (W-Series)

### Fuse terminal blocks

#### SAKS 2/35 DB

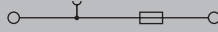
10 mm<sup>2</sup>

D fuses E 16



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

27.6 x 80 x 73.5  
**10 / 16**  
**0.22...16**



#### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

#### Note

#### Ordering data

Version	
	500 V AC/DC, without LED
Note	

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
	Lock washer
	Mounting screw
End plate / Partition plate	
	dark beige
Screw cover cap	
	SK
Fuse cartridges	
Gauge rings	
Identification systems	

For detailed information on other accessories and application in the online catalogue

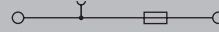
#### SAKS 4/35 DB

10 mm<sup>2</sup>

D 01 fuses E 14



24 x 75 x 65  
**16 / 16**  
**0.22...16**



IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400	600 (C)	600 (C)	
16	30	30	
10	AWG 26...8	AWG 22...8	
6 kV / 3			
V-0, 5VA			
Rated connection			
0.5...16 / 0.5...10			
0.5...10 / 0.5...10			
1.2...2.4 Nm / (M 4)			
1.0 x 5.5 mm			

400 V also with Neozed marine engineering fuse. On connection of over 10 mm<sup>2</sup> stranded and 7-wire AWG conductors, the tightening torque is 2 Nm.

Type	Qty.	Order No.
SAKS 4/35 DB	20	<b>0501800000</b>
Material Duroplast KRG		

Type	current	Qty.	Order No.
QL 2 SAKS4	36 A	20	<b>0328000000</b>
QL 10 SAKS4	36 A	20	<b>0339000000</b>
SS M4 D 128-A 4		100	<b>0136400000</b>
BFSC M4X9T		100	<b>0103300000</b>
WTW EN		20	<b>1058800000</b>
SK E14 SAKS4		20	<b>0339410000</b>
E 14/2A RS		10	<b>0137400000</b>
E 14/4A BR		10	<b>0137500000</b>
E 14/6A GN		10	<b>0328300000</b>
E 14/10A RT		10	<b>0328400000</b>
P 14/2 D01 RS SAKS4		50	<b>0138000000</b>
P 14/4 D01 BR SAKS4		50	<b>0138100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500		600 (C)	
10		25	
10		AWG 22...8	
6 kV / 3			
V-0, 5VA			
Rated connection			
0.5...16 / 0.5...10			
0.5...10 / 0.5...10			
1.2...2.4 Nm / (M 4)			
1.0 x 5.5 mm			

Connections for stranded conductors from 10 mm<sup>2</sup> and AWG conductors require a tightening torque of 2 Nm.

Type	Qty.	Order No.
SAKS 2/35 DB	20	<b>1368700000</b>
Material Duroplast KRG		

Type	current	Qty.	Order No.
QL 2 SAKS2	36 A	20	<b>0207800000</b>
QL 10 SAKS2	36 A	20	<b>0338900000</b>
SS M4 D 128-A 4		100	<b>0136400000</b>
BFSC M4X9T		100	<b>0103300000</b>
WTW EN		20	<b>1058800000</b>
SK E16/SAKS2		25	<b>0284110000</b>
E 16/10A RT TNDZ		25	<b>0208500000</b>
E 16/16A GR TNDZ		25	<b>0208600000</b>
E 16/20A BL TNDZ		25	<b>0208700000</b>
E 16/25A GE TNDZ		25	<b>0208800000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

Replacement screw cover cap, order no. 0284110000 (QTY 20) Cross-connections, see section "W series accessories".

Replacement screw cover cap, order no. 0339410000 (QTY 20) Cross-connections, see section "W series accessories".

**SAKS 5/35 DB**

**16 mm<sup>2</sup>**

**D 02 fuse E 18**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

28 x 80 x 65
<b>63 / 16</b>
<b>1.5...16</b>

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400	600 (C)	600 (C)	
63	40	63	
16	AWG 14...6	AWG 14...6	
6 kV / 3			
V-0, 5VA			
Rated connection			
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...2.4 Nm / (M 4)			
1.0 x 5.5 mm			

**Note**

400 V also with Neozed marine engineering fuse. On connection of over 10 mm<sup>2</sup> stranded and 7-wire AWG conductors, the tightening torque is 2 Nm.

**Ordering data**

Version	500 V AC/DC, without LED
Note	

Type	Qty.	Order No.
SAKS 5/35 DB	20	<b>0502100000</b>
Material Duroplast KRG		

**Accessories**

Screwable cross-connection	
2-pole	
10-pole	
Lock washer	
Mounting screw	
End plate / Partition plate	
dark beige	
Screw cover cap	
SK	
Fuse cartridges	
Gauge rings	
Identification systems	

Type	current	Qty.	Order No.
QL 2 SAKS2	36 A	20	<b>0207800000</b>
QL 10 SAKS2	36 A	20	<b>0338900000</b>
SS M4 D 128-A 4		100	<b>0136400000</b>
BFSC M4X9T		100	<b>0103300000</b>
WTW EN		20	<b>1058800000</b>
SK E18 SAKS5		20	<b>0359310000</b>
E 18/20A BL		10	<b>0361300000</b>
E 18/25A GE		10	<b>0361400000</b>
E 18/35A SW		10	<b>0361500000</b>
P 18/20 D02 BL SAKS5		50	<b>0361800000</b>
P 18/25 D02 GE SAKS5		50	<b>0361900000</b>
P 18/35 D02 SW SAKS5		50	<b>0362000000</b>
P 18/50 D02 WS SAKS5		50	<b>0362100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

For detailed information on other accessories and application in the online catalogue

Replacement screw cover cap, order no. 0359310000 (QTY 20) Cross-connections, see section "W series accessories".



# Screw connection with clamping yoke technology (W-Series)

## Fuse terminal blocks

Universal range

**A**

### WTR 2.5/SI

2.5 mm<sup>2</sup>



### WTR 4/SI

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 97	
<b>6.3 / 4</b>	
<b>0.05...4</b>	

6.1 x 60 x 97	
<b>6.3 / 6</b>	
<b>0.22...6</b>	

### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400		300 (D)	
6.3		10	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
V-0			

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.8 Nm / (M 2.5)	
0.6 x 3.5 mm	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
400	300 (D)	300 (C)	
6.3	6.3	6.3	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
V-0			

Rated connection	
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...0.6 Nm / (M 3)	
0.6 x 3.5 mm	

**Note**

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500).

The rated current of the terminal is determined by the max. power loss of 1.6 W at the cartridge fuse.

### Ordering data

Version	
400 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
140-250 V AC/DC, with LED	

**Note**

Type	Qty.	Order No.
WTR 2.5/SI	25	1763940000
WTR 2.5/SI LD 36V	25	1763950000

UL/CSA specified for cartridge fuse 400 V; otherwise, the specified voltage range also applies to UL/CSA.

Type	Qty.	Order No.
WTR 4 SI	25	7910240000
WTR 4/SI LD 36V	25	7914370000
WTR 4/SI LD 70V	25	7914380000
WTR 4/SI LD 150V	25	7914390000
WTR 4/SI LD 250V	25	7914400000

UL/CSA specified for cartridge fuse 400 V; otherwise, the specified voltage range also applies to UL/CSA.

### Accessories

Pluggable cross-connection	
2-pole	
10-pole	
2-pole, yellow	
10-pole	

End plate / Partition plate	
dark beige	
dark beige	

G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
0.25 A fast	
0.50 A fast	
1.00 A fast	
2.00 A fast	

Screwdriver	
Standard	

Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000

Type	Qty.	Order No.
WAP 2.5-10	50	1050000000
WAP 16+35 WTW 2.5-10	20	1050100000

Type	Qty.	Order No.
G 20/0.25A/F	10	0430500000
G 20/0.50A/F	10	0430600000
G 20/1.00A/F	10	0430700000
G 20/2.00A/F	10	0430900000

Type	Qty.	Order No.
SDS 0.6X3.5X100	1	9008330000

Type	Qty.	Order No.
DEK 5/5 MC NE WS	1000	1609801044
WS 12/5 MC NE WS	720	1609860000
DEK 5/5 MM WS	800	2007110000
WS 8/5 MM WS	800	2007150000

Type	current	Qty.	Order No.
ZQV 4N/2 GE	32 A	60	1758250000
ZQV 4N/10 GE	32 A	20	1758260000

Type	Qty.	Order No.
WAP 2.5-10	50	1050000000
WAP 16+35 WTW 2.5-10	20	1050100000

Type	Qty.	Order No.
G 20/0.25A/F	10	0430500000
G 20/0.50A/F	10	0430600000
G 20/1.00A/F	10	0430700000
G 20/2.00A/F	10	0430900000

Type	Qty.	Order No.
SDS 0.6X3.5X100	1	9008330000

Type	Qty.	Order No.
DEK 5/6 MC NE WS	1000	1609820000
WS 12/6 MC NE WS	600	1609900000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000

For detailed information on other accessories and application in the online catalogue

Cross-connection options for WTR 2.5, see section on W-series Accessories.

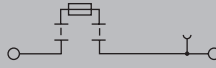
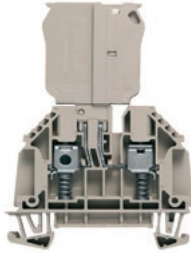
Cross-connections, see section "W series accessories".



**WTR 4 SI SL**

**4 mm<sup>2</sup>**

With fuse holder



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 61.5 x 97  
**6.3 / 6**  
**0.22...6**

**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300 (D)	300 (D)	
6.3	6.3	6.3	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
V-0			

CE, ENEC, UL, VDE

<b>Rated connection</b>	
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1 Nm / (M 3)	
0.6 x 3.5 mm	

**Note**

**Ordering data**

<b>Version</b>	400 V AC/DC, without LED
<b>Note</b>	

Type	Qty.	Order No.
WTR 4 SI SL	25	<b>7910330000</b>

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Black
	dark beige
<b>End bracket</b>	
	dark beige
<b>Hak. Cable lugs</b>	
	dark beige
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	<b>1527930000</b>
ZQV 4N/10	32 A	20	<b>1528090000</b>
<b>WAP 2.5-10</b>			
WAP 2.5-10		50	<b>1050000000</b>
WAP 2.5-10 SW		50	<b>1050010000</b>
WAP 16*35 WTW 2.5-10		20	<b>1050100000</b>
<b>WEW 35/2</b>			
WEW 35/2		100	<b>1061200000</b>
<b>HBT 1,5 - 3,0 RT</b>			
HBT 1,5 - 3,0 RT		100	<b>1312440000</b>
<b>HBT 2,5 - 3,0 BL</b>			
HBT 2,5 - 3,0 BL		100	<b>1312450000</b>
<b>DEK 5/6 MC NE WS</b>			
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
<b>WS 12/6 MC NE WS</b>			
WS 12/6 MC NE WS		600	<b>1609900000</b>
<b>DEK 5/6 MM WS</b>			
DEK 5/6 MM WS		600	<b>2007120000</b>
<b>WS 8/6 MM WS</b>			
WS 8/6 MM WS		600	<b>2007160000</b>

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".



# Screw connection with clamping yoke technology (W-Series)

## Fuse terminal blocks

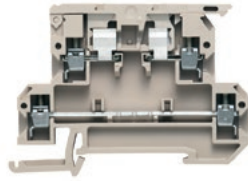
Universal range

A

### KDKS 1/35 DB

4 mm<sup>2</sup>

Metric fuses 5 x 20 mm



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8 x 73.5 x 55.6	
<b>6.3 / 4</b>	
<b>0.22...4</b>	

### Technical data

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	
Note	

IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (C)	300 (D)	
6.3	10	10	
4	AWG 26...12	AWG 26...12	
6 kV / 3			
V-0			

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...4	
0.5...0.8 Nm / (M 3)	
0.6 x 3.5 mm	

Note: max. conductor size = 2.5 mm<sup>2</sup> when using the cross-connector.

### Ordering data

Version	
500 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
100-250 V AC/DC, with LED	
Note	

Type	Qty.	Order No.
KDKS 1/35 DB	50	<b>9532440000</b>

Max. power loss (1.6 W) at the cartridge fuse limits the rated current.

### Accessories

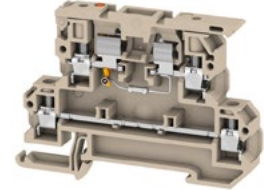
End plate / Partition plate	
dark beige	
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
0.25 A fast	
0.50 A fast	
1.00 A fast	
2.00 A fast	
Identification systems	

Type	current	Qty.	Order No.
AP KDKS1 DB		20	<b>9532470000</b>
G 20/0.25A/F		10	<b>0430500000</b>
G 20/0.50A/F		10	<b>0430600000</b>
G 20/1.00A/F		10	<b>0430700000</b>
G 20/2.00A/F		10	<b>0430900000</b>
DEK 5/8 MC NE WS		800	<b>1856740000</b>

For detailed information on other accessories and application in the online catalogue

### KDKS 1EN/LLC

4 mm<sup>2</sup>



8 x 76.5 x 54.6	

IEC	UL	CSA	EN 60079-7
500	300 (C)	150 (C)	
6.3	20	25	
4	AWG 26...12	AWG 26...12	
/ 3			
V-0			

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...4	
0.5...0.8 Nm / (M 3)	
0.6 x 3.5 mm	

Type	Qty.	Order No.
KDKS 1EN/LLC 10-36V AC/DC	50	<b>9802720001</b>
KDKS 1EN/LLC 30-70V AC/DC	50	<b>9908510001</b>
KDKS 1EN/LLC 100-250V AC/DC	50	<b>9915820001</b>

Type	current	Qty.	Order No.
AP KDKS1 DB		20	<b>9532470000</b>
G 20/0.25A/F		10	<b>0430500000</b>
G 20/0.50A/F		10	<b>0430600000</b>
G 20/1.00A/F		10	<b>0430700000</b>
G 20/2.00A/F		10	<b>0430900000</b>
DEK 5/8 MC NE WS		800	<b>1856740000</b>

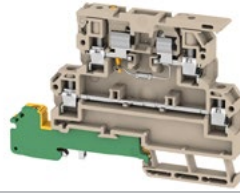
For detailed information on other accessories and application in the online catalogue

**KDKS 1PE/LLC**

**4 mm<sup>2</sup>**

**KDKS 1/35 DB**

Overload and short-circuit protection



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8 x 91 x 65	
/ 4	
<b>0.33...4</b>	

IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3

**Technical data**

Rated data	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Blade size	
Note	

IEC	UL	CSA	EN 60079-7
500	300 (C)	150 (C)	
6.3	20	25	
4	AWG 26...12	AWG 26...12	
6 kV / 3			
V-0			

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...4	
0.5...1 Nm / (M 3)	
0.6 x 3.5 mm	

**Ordering data**

Version	500 V AC/DC, without LED 10-36 V AC/DC, with LED 30-70 V AC/DC, with LED 60-150 V AC/DC, with LED 100-250 V AC/DC, with LED
Note	

Type	Qty.	Order No.
KDKS 1PE/LLC 10-36V AC/DC	50	1518300000
KDKS 1PE/LLC 30-70V AC/DC	50	1518330000
KDKS 1PE/LLC 60-150V AC/DC	50	1518340000
KDKS 1PE/LLC 100-250V AC/DC	50	1518370000

**Accessories**

End plate / Partition plate	dark beige
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	0.25 A fast 0.50 A fast 1.00 A fast 2.00 A fast
Identification systems	

Type	current	Qty.	Order No.
AP KDKS1 DB		20	9532470000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000
DEK 5/8 MC NE WS		800	1856740000

Type	Order No.
KDKS 1/35 DB	9532440000

Arrangement	Applications			
	Only short-circuit protection		Overload	
	T <sub>A</sub> max.	Nominal values	T <sub>A</sub> max.	Nominal values
Individual	23 °C*	4.0 W / 10 A*	41 °C	1.6 W / 6.3 A
In combination	50 °C*	1.6 W / 6.3 A	23 °C	1.6 W / 6.3 A

\* ) Values not available → The values specified were not measured but instead read from the derating curves and transferred to the "only short-circuit protection" operating mode.

For detailed information on other accessories and application in the online catalogue



## Fuse cartridges

## Technical data

for terminal type:  
PSI 6/10  
WSI 4  
WSI 6  
AFS 4 2C BK  
PSI 6/10 SW  
ZSI 2.5  
ZSI 2.5-2/2X2AN/G20  
ZSI 6-2 2X2.5/G20  
KDKS 1/35 DB



## Ordering data

G-type fuse cartridges 5 x 20 without indicator in accordance with IEC 60127-2 (VDE 0820 T.2 Bl) <sup>1)</sup>						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
	0.1	quick-acting	G 20/0.10A/F	10	0430300000	
	0.2	quick-acting	G 20/0.20A/F	10	0430400000	
Cartridge fuse	G-Si. 5 x 20	0.25	quick-acting	G 20/0.25A/F	10	0430500000
Rated breaking capacity	1.5 kA	0.5	quick-acting	G 20/0.50A/F	10	0430600000
	0.63	quick-acting	G 20/0.63A/F	10	0430900000	
	1	quick-acting	G 20/1.00A/F	10	0430700000	
	1.6	quick-acting	G 20/1.60A/F	10	0430800000	
	2	quick-acting	G 20/2.00A/F	10	0430900000	
	2.5	quick-acting	G 20/2.50A/F	10	0431000000	
	3.15	quick-acting	G 20/3.15A/F	10	0431100000	
	4	quick-acting	G 20/4.00A/F	10	0431200000	
	5	quick-acting	G 20/5.00A/F	10	0431300000	
	6.3	quick-acting	G 20/6.30A/F	10	0431400000	

(M) = medium time-lag; (F) = quick-acting

## Technical data

for terminal type:  
WSI 6



## Ordering data

G-type fuse cartridges 5 x 25 with code in acc. with DIN 41576 <sup>1)</sup>						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
	0.25	medium time-lag	G 25/0.25A/M GE	10	0546900000	
	0.5	medium time-lag	G 25/0.50A/M WS	10	0510300000	
Cartridge fuse	G-Si. 5 x 25	0.8	medium time-lag	G 25/0.80A/M GR	10	0646400000
Rated breaking capacity	80 A	1	medium time-lag	G 25/1.00A/M RT	10	0265800000
	2	quick-acting	G 25/2.00A/F BL	10	0192700000	
	4	quick-acting	G 25/4.00A/F BR	10	0192800000	
	6.3	quick-acting	G 25/6.30A/F GN	10	0192900000	
	10	medium time-lag	G 25/10.0A/M RT	10	0193100000	

(M) = medium time-lag; (F) = quick-acting

## Technical data

for terminal type:  
WSI 4/2  
WSI 6/2 GZ/DEF63



## Ordering data

Fuse cartridges 1/4" x 1/4" without indicator in acc. with BS 88						
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.	
	0.5	quick-acting	GZ 0.5A/F	10	1460580000	
	1	quick-acting	GZ 1.0A/F	10	1460590000	
Cartridge fuse	G-Si. 6.3 x 32	2	quick-acting	GZ 2.0A/F	10	1460600000
Rated breaking capacity	50 kA	3	quick-acting	GZ 3.0A/F	10	1460610000
	5	quick-acting	GZ 5.0A/F	10	1460620000	
	7	quick-acting	GZ 7.0A/F	10	1460630000	
	10	quick-acting	GZ 10.0A/F	10	1460640000	
	12.5	quick-acting	GZ 12.5A/F	10	1460650000	

(M) = medium time-lag; (F) = quick-acting

## Technical data

for terminal type:  
SAKS 2/35 DB



## Ordering data

D-type fuse cartridge E 16 with indicator in acc. with DIN 49360 (Diazed)					
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.
	10		E 16/10A RT TNDZ	25	0208500000
	16		E 16/16A GR TNDZ	25	0208600000
Cartridge fuse			E 16/20A BL TNDZ	25	0208700000
Rated breaking capacity	25		E 16/25A GE TNDZ	25	0208800000

(M) = medium time-lag; (F) = quick-acting

## Technical data

for terminal type:  
SAKS 4/35 DB



## Ordering data

D-type fuse cartridges E 14 size D 01 and E 18 size D 02 with indicator in acc. with DIN 49522 (Neozed) <sup>3)</sup>					
Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.
	10		E 14/10A RT	10	0328400000
	16		E 14/16A GR	10	0328500000
Cartridge fuse			E 14/2A RS	10	0137400000
Rated breaking capacity			E 14/4A BR	10	0137500000
	6		E 14/6A GN	10	0328300000

(M) = medium time-lag; (F) = quick-acting

## Fuse cartridges

### Technical data

for terminal type:  
SAKS 5/35 DB



### Ordering data

D-type fuse cartridges E 14 size D 01 and E 18 size D 02 with indicator in acc. with DIN 49522 (Neozed)<sup>3)</sup>

Size (mm)	Rated current	Characteristics	Type	Qty.	Order No.
	20		E 18/20A BL	10	0361300000
	25		E 18/25A GE	10	0361400000
Cartridge fuse	35		E 18/35A SW	10	0361500000
Rated breaking capacity	50		E 18/50A WS	10	0361600000
	63		E 18/63A KU	10	0361700000

(M) = medium time-lag; (F) = quick-acting

- 1) The company SIBA supplies G-type fuse cartridges 5 x 25 with indicator, also in marine engineering version for 450 V~.
- 2) Fuse cartridges 5 x 30 (500 V~) für SAKS 3 are available from the company WICKMANN.
- 3) The company LINDNER supplies Neozed fuse cartridges, also in a further marine engineering version for 440 V~.
- 4) Fuse cartridges with the dimensions 1"x1/4" = 25.4x6.35 mm and 13/32"x11/2" = 10.3x38.1 mm are not in the programme.
- 5) Only for SAKS 1 and SAKS 7.

## Safety fuse 10x38 mm

In photovoltaic applications, fusing of individual strings is needed. Specially designed fuses should be used as DC voltages and current are involved. AC fuses are not suitable. The range from 2-20 A and up to 1000 V DC can be covered with safety fuses, size 10 x 38 mm.



### Ordering data

Type	Qty.	Order No.
FUSE 1KV DC 2A 10/38	10	1224870000
FUSE 1KV DC 4A 10/38	10	1224880000
FUSE 1KV DC 6A 10/38	10	1224890000
FUSE 1KV DC 10A 10/38	10	1224910000
FUSE 1KV DC 12A 10/38	10	1224920000
FUSE 1KV DC 16A 10/38	10	1224930000
FUSE 1KV DC 20A 10/38	10	1224950000

Note

## Gauge rings

### Technical data

for terminal type:  
SAKS 4/35 DB



### Ordering data

Type	Cartridge fuse	Current	Colour	Qty.	Order No.
P 14/2 D01 RS SAKS4	E14 / 2	2 A	Pink	50	0138000000
P 14/4 D01 BR SAKS4	E14 / 4	4 A	Brown	50	0138100000
P 14/6 D01 GN SAKS4	E14 / 6	6 A	Green	50	0328600000
P 14/10 D01 RT SAKS4	E14 / 10	10 A	Red	50	0328700000

### Technical data

for terminal type:  
SAKS 5/35 DB



### Ordering data

Type	Cartridge fuse	Current	Colour	Qty.	Order No.
P 18/20 D02 BL SAKS5	E18 / 20	20 A	Blue	50	0361800000
P 18/25 D02 GE SAKS5	E18 / 25	25 A	Yellow	50	0361900000
P 18/35 D02 SW SAKS5	E18 / 35	35 A	Black	50	0362000000
P 18/50 D02 WS SAKS5	E18 / 50	50 A	White	50	0362100000

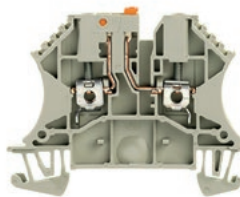
## Screw connection with clamping yoke technology (W-Series)

### Test-disconnect terminal blocks

#### WTR 2.5

2.5 mm<sup>2</sup>

With clamping screw



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 48
24 / 4
0.05...4

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	600	300	
24	20	10	
2.5	AWG 30...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE CB CB CB CB

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.8 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, only with order No. 1333100000 (QTY 500).

#### Ordering data

Version	
	dark beige
	blue
	without isolator, dark beige
Note	

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
	2-pole, yellow
End plate / Partition plate	
	dark beige
	dark beige
End bracket	
	dark beige
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	removable, as replacement for release lever
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Identification systems	
	DEK 5/5 MC NE WS
	WS 12/5 MC NE WS
	WS 8/5 MM WS
	DEK 5/5 MM WS
For detailed information on other accessories and application in the online catalogue	

Type	Qty.	Order No.
WTR 2.5	100	1855610000
WTR 2.5 BL	100	8731640000
WTR 2.5/0.TNHE	100	8731700000

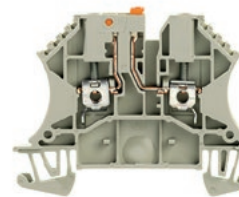
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
WS 8/5 MM WS		800	2007150000
DEK 5/5 MM WS		800	2007110000
Cross-connections, see section "W series accessories".			

Special cross-connector, see section on W-series accessories.

#### WTR 2.5 STB

2.5 mm<sup>2</sup>

With sockets



5.1 x 60 x 48
24 / 4
0.05...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	10	
2.5	AWG 30...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE CB CB CB CB

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.8 Nm / (M 3)	
10 / 0.6 x 3.5 mm	

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, only with order No. 1333100000 (QTY 500).

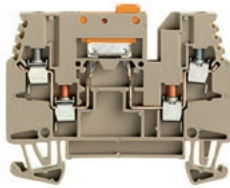
Type	Qty.	Order No.
WTR 2.5 STB2.3	100	1855620000
WTR 2.5 STB2.3 BL	100	8731660000
WTR 2.5/0.TNHE STB2.3	100	8731670000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WAP 2.5-10		50	1050000000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
SDS 0.6X3.5X100		1	9008330000
PS 2.3 RT		20	0180400000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000
WS 8/5 MM WS		800	2007150000
DEK 5/5 MM WS		800	2007110000
Special cross-connector, see section on W-series accessories.			

**WTR 2.5/ZZ**

**2.5 mm<sup>2</sup>**

Twin connection



5.1 x 60 x 46.5  
**14 / 4**  
**0.13...4**



IEC	UL	CSA	EN 60079-7
400	300	300	
14	10	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE ENEC KEMA

**Rated connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.5...1 Nm / (M 3)  
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 2.5/ZZ	100	1039900000
WTR 2.5/ZZ BL	100	1039980000
WTR 2.5/ZZ 0.TNHE	100	1774670000

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
ZQV 2.5N/2 GE	24 A	60	1693880000
ZQV 2.5N/10 GE	24 A	20	1693880000

WAP WTR2.5/ZZ	20	1074600000
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WEW 35/2	100	1061200000
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SIHA 1/G20	25	9537550000
SIHA 1/G20 10-36V	25	9537560000

SDS 0.6X3.5X100	1	9008330000
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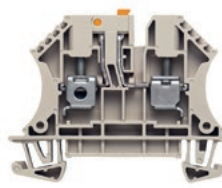
DEK 5/5 MC NE WS	1000	1609801044
WS 12/5 MC NE WS	720	1609860000
WS 8/6 MM WS	800	2007150000
DEK 5/6 MM WS	800	2007110000

Cross-connections, see section "W series accessories".

**WTR 4**

**4 mm<sup>2</sup>**

With clamping screw



6.1 x 60 x 48  
**32 / 6**  
**0.22...6**



IEC	UL	CSA	EN 60079-7
400	300	300	
32	10	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

CE ENEC KEMA

**Rated connection**

0.5...6 / 1.5...6  
0.5...4 / 0.5...4  
0.5...0.6 Nm / (M 3)  
13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 4	50	7910180000
WTR 4 BL	50	7910190000
WTR 4/0.TNHE	50	2436380000

Type	current	Qty.	Order No.
ZQV 4N/10 GE	32 A	20	1758260000
ZQV 4N/2 GE	32 A	60	1758250000

WAP 2.5-10	50	1050000000
WAP 16+35 WTW 2.5-10	20	1050100000

WEW 35/2	100	1061200000
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SIHA 3/G20	25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000

BEST	50	1833100000
BEST/DRBR	50	1878570000
BEST/D	50	1878560000

TNST	50	1833090000
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SDS 0.6X3.5X100	1	9008330000
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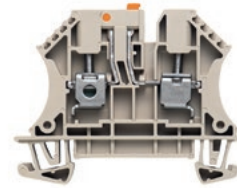
WS 12/5 MC NE WS	720	1609860000
WS 8/6 MM WS	600	2007160000
DEK 5/6 MM WS	600	2007120000

Cross-connections, see section "W series accessories".

**WTR 4 STB**

**4 mm<sup>2</sup>**

With socket



6.1 x 60 x 48  
**32 / 6**  
**0.22...6**



IEC	UL	CSA	EN 60079-7
400	300	300	
32	10	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

CE ENEC KEMA

**Rated connection**

0.5...6 / 1.5...6  
0.5...4 / 0.5...4  
0.5...0.6 Nm / (M 3)  
13 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 4 STB	50	7910210000
WTR 4 STB BL	50	7910220000
WTR 4 STB/0.TNHE	50	2436390000

Type	current	Qty.	Order No.
ZQV 4N/10 GE	32 A	20	1758260000
ZQV 4N/2 GE	32 A	60	1758250000

WAP 2.5-10	50	1050000000
WAP 16+35 WTW 2.5-10	20	1050100000

WEW 35/2	100	1061200000
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SIHA 3/G20	25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000

BEST	50	1833100000
BEST/DRBR	50	1878570000
BEST/D	50	1878560000

TNST	50	1833090000
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SDS 0.6X3.5X100	1	9008330000
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PS 2.3 RT	20	0180400000
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WS 12/5 MC NE WS	720	1609860000
WS 8/6 MM WS	600	2007160000
DEK 5/6 MM WS	600	2007120000

Cross-connections, see section "W series accessories".



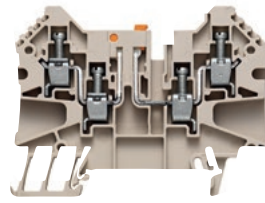
## Screw connection with clamping yoke technology (W-Series)

### Test-disconnect terminal blocks

#### WTR 4/ZZ

4 mm<sup>2</sup>

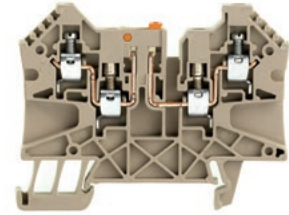
Twin connection with clamping screw



#### WTR 4/ZZ STB

4 mm<sup>2</sup>

Twin connection with socket



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 70 x 53	
27 / 6	
0.05...6	

6.1 x 70 x 53	
27 / 6	
0.05...6	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	

IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
6 kV / 3			
A4 / V-0			

IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
6 kV / 3			
A4 / V-0			

#### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-

CE

Rated connection	
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1 Nm / (M 3)	
10 / 0.6 x 3.5 mm	

CE

Rated connection	
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1 Nm / (M 3)	
10 / 0.6 x 3.5 mm	

#### Note

#### Ordering data

Version	
	dark beige
	blue
	without isolator, dark beige

Type	Qty.	Order No.
WTR 4/ZZ	50	1905090000
WTR 4/ZZ BL	50	1193450000
WTR 4/ZZ/O.TNHE	50	2436420000

Type	Qty.	Order No.
WTR 4/ZZ STB	50	1905100000
WTR 4/ZZ STB BL	50	1231330000
WTR 4/ZZ STB/O.TNHE	50	2436360000

#### Note

#### Accessories

Pluggable cross-connection	
	2-pole
	10-pole

End plate / Partition plate	
	dark beige
	dark beige

End bracket	
	dark beige

Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED

Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode

Disconnect plug	
	removable, as replacement for release lever

Screwdriver	
	Standard

Testing / Checking	
	Test plug

#### Identification systems


#### Hak. Cable lugs


For detailed information on other accessories and application in the online catalogue

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZZ		50	1905150000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000

BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000

SDS 0.6X3.5X100		1	9008330000
PS 2.3 RT		20	0180400000

WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Cross-connections, see section "W series accessories".

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WDU/WTR4/ZZ		50	1905150000
WEW 35/2		100	1061200000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000

BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000

SDS 0.6X3.5X100		1	9008330000
PS 2.3 RT		20	0180400000

WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

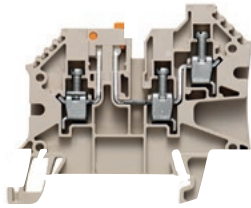
Cross-connections, see section "W series accessories".



**WTR 4/ZR**

**4 mm<sup>2</sup>**

Supplementary connection, right, with clamping screw



6.1 x 63.5 x 53  
**27 / 6**  
**0.05...6**



IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
		6 kV / 3	
		A4 / V-0	

CE

**Rated connection**

0.5...6 / 1.5...6  
0.5...4 / 0.5...4  
0.5...1 Nm / (M 3)  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 4/ZR	50	<b>1905080000</b>
WTR 4/ZR/O.TNHE	50	<b>2436400000</b>

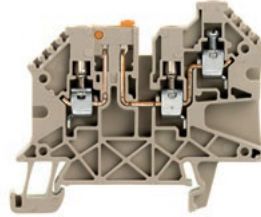
Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	<b>1527930000</b>
ZQV 4N/10	32 A	20	<b>1528090000</b>
WAP WDU/WTR4/ZR		50	<b>1905070000</b>
WEW 35/2		100	<b>1061200000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

Cross-connections, see section "W series accessories".

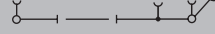
**WTR 4/ZR STB**

**4 mm<sup>2</sup>**

Supplementary connection, with socket



6.1 x 63.5 x 53  
**27 / 6**  
**0.05...6**



IEC	UL	CSA	EN 60079-7
500	600	600	
27	25	25	
4	AWG 30...10	AWG 30...10	
		6 kV / 3	
		A4 / V-0	

CE

**Rated connection**

0.5...6 / 1.5...6  
0.5...4 / 0.5...4  
0.5...1 Nm / (M 3)  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WTR 4/ZR STB	50	<b>1905110000</b>
WTR 4/ZR STB/O.TNHE	50	<b>2436410000</b>

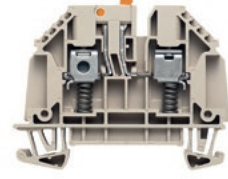
Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	<b>1527930000</b>
ZQV 4N/10	32 A	20	<b>1528090000</b>
WAP WDU/WTR4/ZR		50	<b>1905070000</b>
WEW 35/2		100	<b>1061200000</b>
SIHA 3/G20		25	<b>7921560000</b>
SIHA 3/G20/LD 10-36V		25	<b>7921570000</b>
SIHA 3/G20/LD 140-250V		25	<b>7921600000</b>
BEST		50	<b>1833100000</b>
BEST/DRBR		50	<b>1878570000</b>
BEST/D		50	<b>1878560000</b>
TNST		50	<b>1833090000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
PS 2.3 RT		20	<b>0180400000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

Cross-connections, see section "W series accessories".

**WTR 4 SL**

**4 mm<sup>2</sup>**

With clamping screw



6.1 x 61.5 x 46.5  
**32 / 6**  
**0.22...6**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
		6 kV / 3	
		A4 / V-0	

CE

**Rated connection**

0.5...6 / 1.5...6  
0.5...4 / 0.5...4  
0.5...0.6 Nm / (M 3)  
13 / 0.6 x 3.5 mm

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

Type	Qty.	Order No.
WTR 4 SL	50	<b>7910270000</b>
WTR 4 SL BL	50	<b>7910280000</b>

With pollution severity degree 2, the voltage can be raised to 630 V.

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	<b>1527930000</b>
ZQV 4N/10	32 A	20	<b>1528090000</b>
WAP 2.5-10		50	<b>1050000000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WEW 35/2		100	<b>1061200000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>
HBT 1,5 - 3,0 RT		100	<b>1312440000</b>
HBT 2,5 - 3,0 BL		100	<b>1312450000</b>

Cross-connections, see section "W series accessories".



# Screw connection with clamping yoke technology (W-Series)

## Test-disconnect terminal blocks

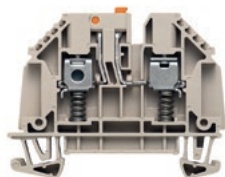
Universal range

A

### WTR 4 SL STB

4 mm<sup>2</sup>

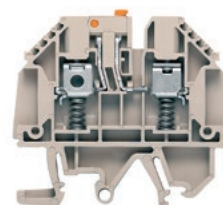
With socket



### WTR 4 SL/EN

4 mm<sup>2</sup>

with clamping screw



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 61.5 x 46.5
<b>32 / 6</b>
<b>0.22...6</b>

6.1 x 61.5 x 51
<b>32 / 6</b>
<b>0.22...6</b>

### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

IEC 60947-7-1

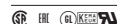
IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-



Rated connection	
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...0.6 Nm / (M 3)	
13 / 0.6 x 3.5 mm	



Rated connection	
0.5...6 / 1.5...6	
0.5...4 / 0.5...4	
0.5...1 Nm / (M 3)	
13 / 0.6 x 3.5 mm	

### Note

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

### Ordering data

Version	dark beige
	blue
Note	

Type	Qty.	Order No.
WTR 4 STB SL	50	<b>7910300000</b>
WTR 4 STB SL BL	50	<b>7910310000</b>

Type	Qty.	Order No.
WTR4 SL/EN	50	<b>7910360000</b>
WTR4 SL/EN BL	50	<b>7910370000</b>

With pollution severity degree 2, the voltage can be raised to 630 V.

### Accessories

Pluggable cross-connection	2-pole
	10-pole
End plate / Partition plate	dark beige
	dark beige
End bracket	
	dark beige
Hak. Cable lugs	
Testing / Checking	Test plug
Identification systems	

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	<b>1527930000</b>
ZQV 4N/10	32 A	20	<b>1528090000</b>
WAP 2.5-10		50	<b>1050000000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WEW 35/2		100	<b>1061200000</b>
HBT 1,5 - 3,0 RT		100	<b>1312440000</b>
HBT 2,5 - 3,0 BL		100	<b>1312450000</b>
PS 2.3 RT		20	<b>0180400000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	<b>1527930000</b>
ZQV 4N/10	32 A	20	<b>1528090000</b>
WAP 2.5-10		50	<b>1050000000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WEW 35/2		100	<b>1061200000</b>
HBT 1,5 - 3,0 RT		100	<b>1312440000</b>
HBT 2,5 - 3,0 BL		100	<b>1312450000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>
DEK 5/6 MM WS		600	<b>2007120000</b>
WS 8/6 MM WS		600	<b>2007160000</b>

For detailed information on other accessories and application in the online catalogue

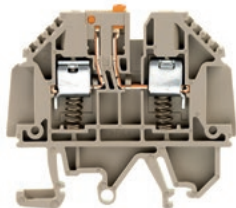
Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

**WTR 4 STB SL/EN**

**4 mm<sup>2</sup>**

With socket



6.1 x 61.5 x 51  
32 / 6  
0.22...6



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
32	22	10	
4	AWG 22...10	AWG 22...10	
6 kV / 3			
A4 / V-0			

SE ENEC (UL) (CSA) (VDE) (TÜV)

**Rated connection**

0.5...6 / 1.5...6

0.5...4 / 0.5...4

0.5...1 Nm / (M 3)

13 / 0.6 x 3.5 mm

UL/CSA 600 V possible with end plate WAP or WTW partition plate.

Type	Qty.	Order No.
WTR4 SL/EN STB	50	7910390000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
HBT 1,5 - 3,0 RT		100	1312440000
HBT 2,5 - 3,0 BL		100	1312450000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/6 MC NE WS		600	1609900000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

Cross-connections, see section "W series accessories".



# Screw connection with clamping yoke technology (W-Series)

## Test-disconnect terminal blocks

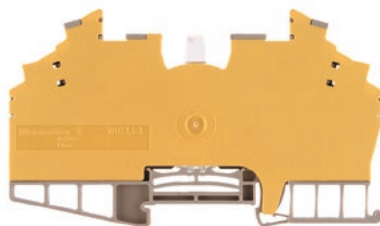
Universal range

A

### WDT 1.5/1

1.5 mm<sup>2</sup>

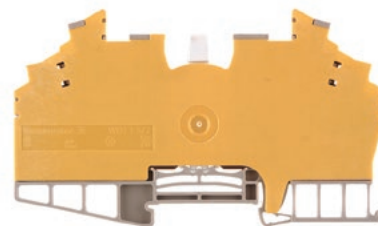
Disconnection lower level



### WDT 1.5/2

1.5 mm<sup>2</sup>

Disconnection both levels



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.4 x 112 x 66	
<b>10 / 2.5</b>	
<b>0.13...2.5</b>	

6.4 x 112 x 66	
<b>10 / 2.5</b>	
<b>0.13...2.5</b>	

### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	
4 kV / 3			
A2 / V-0			

CE

Rated connection	
0.5...2.5 / 1.5...2.5	
0.5...1.5 / 0.5...1.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	
4 kV / 3			
A2 / V-0			

CE

Rated connection	
0.5...2.5 / 1.5...2.5	
0.5...1.5 / 0.5...1.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

### Ordering data

Version	
	dark beige
	without STB
	blue
<b>Note</b>	

Type	Qty.	Order No.
WDT 1.5/1 DB/GE	25	1015800000
<b>Note</b>		

Type	Qty.	Order No.
WDT 1.5/2 DB/GE	25	1015900000
<b>Note</b>		

### Accessories

<b>End bracket</b>	dark beige
<b>Holder for cartridge fuse 5 x 20 mm</b>	400 V AC/DC, without LED 10 - 36 V AC/DC, red LED
<b>Screwdriver</b>	Standard
<b>Locking lever</b>	
<b>Identification systems</b>	

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
RAHE LN WDT1.5		10	1865410000
DEK 5/6.5 MC NE WS		900	1609840000
WS 8/5 MC NE WS		720	1640740000

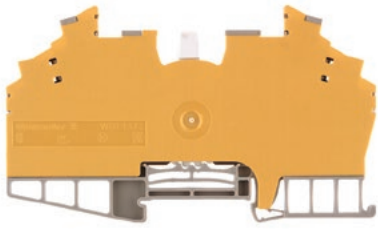
Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
RAHE LN WDT1.5		10	1865410000
DEK 5/6.5 MC NE WS		900	1609840000
WS 8/5 MC NE WS		720	1640740000

For detailed information on other accessories and application in the online catalogue

**WDT 1.5/3**

**1.5 mm<sup>2</sup>**

Disconnection lower level or both levels



6.4 x 112 x 66  
**10 / 2.5**  
**0.13...2.5**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...14	AWG 26...14	
4 kV / 3			
A2 / V-2			

CE

**Rated connection**

0.5...2.5 / 1.5...2.5  
0.5...1.5 / 0.5...1.5  
0.4...0.6 Nm / (M 2.5)  
10 / 0.6 x 3.5 mm

WDT 1.5/3 BL/HB Order no. 1016160000 flammability rating V2

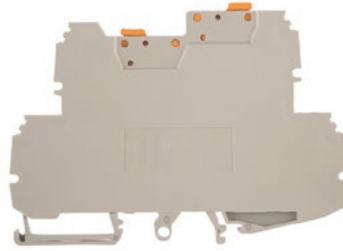
Type	Qty.	Order No.
WDT 1.5/3 DB/GE	25	1016000000
WDT 1.5/3 BL/HB	25	1016160000

Type	current	Qty.	Order No.
WEW 35/2		100	1061200000
SDS 0.6X3.5X100		1	9008330000
RAHE LN WDT1.5		10	1865410000
DEK 5/6.5 MC NE WS		900	1609840000
WS 8/5 MC NE WS		720	1640740000

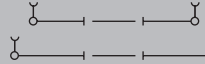
**WDTR 2.5**

**2.5 mm<sup>2</sup>**

Double disconnect terminal



6.2 x 94 x 67  
**14 / 4**  
**0.05...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	10	
2.5	AWG 26...12	AWG 30...12	
4 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4  
0.5...2.5 / 0.5...2.5  
0.5...0.6 Nm / (M 3)  
8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDTR 2.5	25	9528070000
WDTR 2.5 O.STB	25	1298020000
WDTR 2.5 BL	25	9528080000

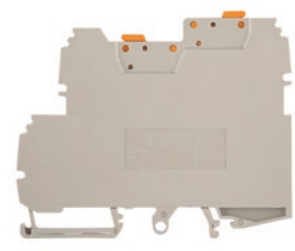
Type	current	Qty.	Order No.
WEW 35/1		50	1059000000
SIHA 1/G20		25	9537550000
SIHA 1/G20 10-36V		25	9537560000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

External cross-connection is possible with the VQB 1.5/50. Refer to "Accessories" Chapter.

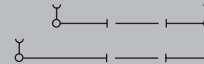
**WDTR 2.5/WE**

**2.5 mm<sup>2</sup>**

Double disconnect terminal



6.2 x 81 x 67  
**23 / 4**  
**0.05...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	10	17	
2.5	AWG 22...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4  
0.5...2.5 / 0.5...2.5  
0.5...0.6 Nm / (M 3)  
8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDTR 2.5/WE	25	9528090000

Type	current	Qty.	Order No.
WEW 35/1		50	1059000000
SIHA 1/G20		25	9537550000
SIHA 1/G20 10-36V		25	9537560000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

External cross-connection is possible with the VQB 1.5/50. Refer to "Accessories" Chapter.

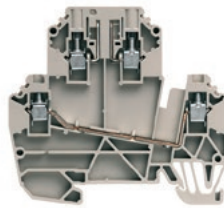


## Screw connection with clamping yoke technology (W-Series)

### Test-disconnect terminal blocks

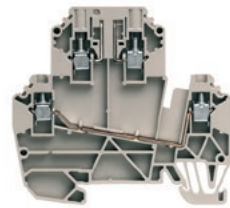
#### WDK 2.5/TR-DU

2.5 mm<sup>2</sup>



#### WDK 2.5/TR-DU/STB

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 80.5 x 66	
/ 4	
0.5...4	

5.1 x 80.5 x 66	
/ 4	
0.5...4	

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
690		300	
24		20	
2.5		AWG 30...12	
8 kV / 3			
A2 / V-0			
EBC			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.5...0.6 Nm / (M 3)			
8 / 0.6 x 3.5 mm			
Note			

IEC	UL	CSA	EN 60079-7
690		300	
24		20	
2.5		AWG 30...12	
8 kV / 3			
A2 / V-0			
EBC			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.5...0.6 Nm / (M 3)			
8 / 0.6 x 3.5 mm			
Note			

#### Ordering data

Version	
	dark beige
	without isolator, dark beige
Note	

Type	Qty.	Order No.
WDK 2.5/TR-DU	50	1247290000
WDK 2.5/TR-DU/o TNHE	50	1833600000
Note		

Type	Qty.	Order No.
WDK 2.5/TR-DU STB	50	1247310000
WDK 2.5/TR-DU/o TNHE StB	50	1833610000
Note		

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	With 1N4007 diode
	with wire jumper
Disconnect plug	
	removable, as replacement for release lever
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Identification systems	

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate			
WAP WDK 2.5N/TR-DU		50	1839850000
End bracket			
WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm			
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max. 250 V)			
BEST		50	1833100000
BEST/D		50	1878560000
BEST/DRBR		50	1878570000
Disconnect plug			
TNST		50	1833090000
Screwdriver			
SDS 0.6x3.5x100		1	9008330000
Testing / Checking			
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
End plate / Partition plate			
WAP WDK 2.5N/TR-DU		50	1839850000
End bracket			
WEW 35/1		50	1059000000
Holder for cartridge fuse 5 x 20 mm			
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
Module connector (max. 250 V)			
BEST		50	1833100000
BEST/D		50	1878560000
BEST/DRBR		50	1878570000
Disconnect plug			
TNST		50	1833090000
Screwdriver			
SDS 0.6x3.5x100		1	9008330000
Testing / Checking			
PS 2.3 RT		20	0180400000
Identification systems			
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

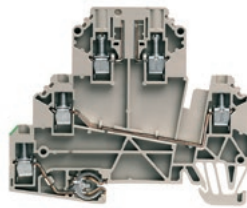
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

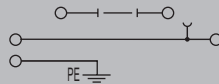
Cross-connections, see section "W series accessories".

WDK 2.5/TR-DU-PE

2.5 mm<sup>2</sup>

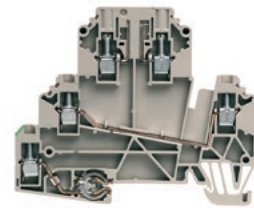


5.1 x 72.5 x 66  
/ 4  
0.5...4

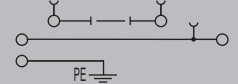


WDK 2.5/TR-DU-PE/STB

2.5 mm<sup>2</sup>



5.1 x 72.5 x 66  
/ 4  
0.5...4



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC	UL	CSA	EN 60079-7
690			
24			
2.5			
		8 kV / 3	
		A2 / V-0	
<b>Rated connection</b>			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.5...0.6 Nm / (M 3)			
8 / 0.6 x 3.5 mm			
<b>Note</b>			

IEC	UL	CSA	EN 60079-7
690			
24			
2.5			
		8 kV / 3	
		A2 / V-0	
<b>Rated connection</b>			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.5...0.6 Nm / (M 3)			
8 / 0.6 x 3.5 mm			
<b>Note</b>			

Ordering data

Version	
	dark beige
	without isolator, dark beige
<b>Note</b>	

Type	Qty.	Order No.
WDK 2.5/TR-DU-PE	50	1247420000
WDK 2.5/TR-DU-PE/o TNHE	50	1833640000
<b>Note</b>		

Type	Qty.	Order No.
WDK 2.5/TR-DU-PE STB	50	1247430000
<b>Note</b>		

Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	With 1N4007 diode
	with wire jumper
Disconnect plug	
	removable, as replacement for release lever
Screwdriver	
	Standard
Testing / Checking	
	Test plug
Identification systems	

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK 2.5N/TR-DU			
		50	1839850000
WEW 35/1			
		50	1059000000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/D		50	1878560000
BEST/DRBR		50	1878570000
TNST		50	1833090000
SDS 0.6X3.5X100		1	9008330000
<b>Note</b>			
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK 2.5N/TR-DU			
		50	1839850000
WEW 35/1			
		50	1059000000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
BEST		50	1833100000
BEST/D		50	1878560000
BEST/DRBR		50	1878570000
TNST		50	1833090000
SDS 0.6X3.5X100		1	9008330000
PS 2.3 RT		20	0180400000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

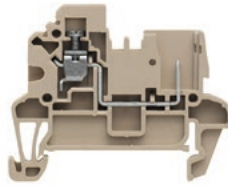
Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

**Screw connection with clamping yoke technology (W-Series)**  
**Pluggable terminal blocks**

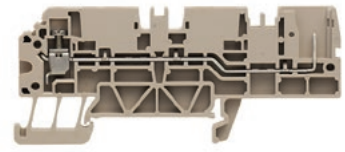
**WT 2.5**

**2.5 mm<sup>2</sup>**



**WDT 2.5 BT**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 50.5 x 40	
<b>27 / 4</b>	
<b>0.13...4</b>	

5.1 x 85.5 x 36	
<b>27 / 4</b>	
<b>0.13...4</b>	

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 16...12	
6 kV / 3			
A4 / V-0			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
7 / 0.6 x 3.5 mm			
Note			

IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A4 / V-0			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
7 / 0.6 x 3.5 mm			
Note			

**Ordering data**

Plug-in connector	
Note	

Type	Qty.	Order No.
WT 2.5	50	<b>1305330000</b>
Type	Qty.	Order No.
WP 2.5/1AN/1	50	<b>1305270000</b>
WP 2.5/1AN/10	50	<b>1305280000</b>
Note		

Type	Qty.	Order No.
WDT 2.5 BT	50	<b>1305310000</b>
Type	Qty.	Order No.
WP 2.5/1AN/1	50	<b>1305270000</b>
WP 2.5/1AN/10	50	<b>1305280000</b>
Note		

**Accessories**

Pluggable cross-connection	
	2-pole
	10-pole
End plate	
Cover	
End bracket	
	dark beige
Strain relief	
Coding	
Interlock	
Screwdriver	
	Standard
Plug	
	dark beige
Identification systems	
Vertical jumpers	
	1-pole
For detailed information on other accessories and application in the online catalogue	

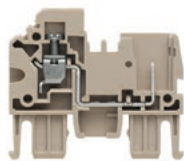
Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WDT 2.5 AT		50	<b>1305250000</b>
WEW 35/2		100	<b>1061200000</b>
APGSR 2.5		25	<b>2457580000</b>
APGCE		50	<b>1514490000</b>
APGLE 2.5		25	<b>2457570000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
Cross-connections, see section "W series accessories".			

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WDT 2.5 BT		50	<b>1305240000</b>
AH WDT 2.5 BT		50	<b>1305230000</b>
WEW 35/2		100	<b>1061200000</b>
APGSR 2.5		25	<b>2457580000</b>
APGCE		50	<b>1514490000</b>
APGLE 2.5		25	<b>2457570000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
WDT 2.5 AT		50	<b>1305320000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
Cross-connections, see section "W series accessories".			



**WDT 2.5 AT**

**2.5 mm<sup>2</sup>**



5.1 x 42 x 24.6  
**27 / 4**  
**0.13...4**



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A4 / V-0			

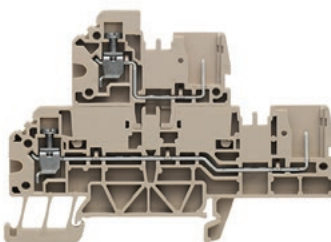


**Rated connection**

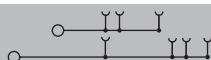
0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
7 / 0.6 x 3.5 mm

**WDT 2.5/2**

**2.5 mm<sup>2</sup>**



5.1 x 85.5 x 60.5  
**27 / 4**  
**0.13...4**



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	20	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A4 / V-0			

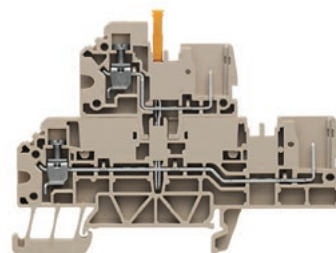


**Rated connection**

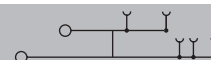
0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
7 / 0.6 x 3.5 mm

**WDT 2.5/2 V**

**2.5 mm<sup>2</sup>**



5.1 x 85.5 x 60.5  
**27 / 4**  
**0.13...4**



IEC 60947-7-1, IEC 61984

IEC	UL	CSA	EN 60079-7
400	300	300	
24	20.1	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A4 / V-0			



**Rated connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDT 2.5 AT	50	<b>1305320000</b>
WP 2.5/1AN/1	50	<b>1305270000</b>
WP 2.5/1AN/10	50	<b>1305280000</b>

Type	Qty.	Order No.
WDT 2.5/2	50	<b>1305290000</b>
WP 2.5/1AN/1	50	<b>1305270000</b>
WP 2.5/1AN/10	50	<b>1305280000</b>

Type	Qty.	Order No.
WDT 2.5/2 V	50	<b>1305300000</b>
WP 2.5/1AN/1	50	<b>1305270000</b>
WP 2.5/1AN/10	50	<b>1305280000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WDT 2.5 AT		50	<b>1305250000</b>
APGSR 2.5		25	<b>2457580000</b>
APGCE		50	<b>1514490000</b>
APGLE 2.5		25	<b>2457570000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WDT 2.5/2		50	<b>1305260000</b>
WEW 35/2		100	<b>1061200000</b>
APGSR 2.5		25	<b>2457580000</b>
APGCE		50	<b>1514490000</b>
APGLE 2.5		25	<b>2457570000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
ZVQ 2.5/1.5	23 A	50	<b>1720700000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WDT 2.5/2		50	<b>1305260000</b>
WEW 35/2		100	<b>1061200000</b>
APGSR 2.5		25	<b>2457580000</b>
APGCE		50	<b>1514490000</b>
APGLE 2.5		25	<b>2457570000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Cross-connections, see section "W series accessories".

ZVQ 2.5/1.5 (1720700000) connects the upper and lower layers. Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".



**Screw connection with clamping-yoke technology (W-Series)**  
**Pluggable terminal blocks – Accessories**

**Single plates for individual assembly**

WeiCoS individual plates increase flexibility by providing a solution for every task. The plug-in connector is assembled directly on-site in line with application requirements. Each individual plate is available in green (GN) and beige (BE).

**WeiCoS plug**

- Single plates, plug ZP 2.5/1AN
- Marking option

Ordering data	
	2.5 mm <sup>2</sup>
	4.0 mm <sup>2</sup>
Note	

**WP 2.5/1AN/1**

Start plate



Type	Qty.	Order No.
WP 2.5/1AN/1 ZA	50	1350990000
WP4/1AN/1 ZA	50	1108490000

**WP 2.5/1AN ZA 0.RA**

Middle plate or end plate



Type	Qty.	Order No.
WP 2.5/1AN/1 ZA 0.RA	50	1351000000

**WP 2.5/1AN ZA**

Middle plate or end plate



Type	Qty.	Order No.
WP 2.5/1AN/1	50	1305270000
WP4/1AN/1	50	1107790000

**Coding elements**

- For specific coding of the plug-in stations
- Protection against accidental mistake ensures process reliability

Ordering data	
	4.0 mm <sup>2</sup>
	1.5 mm <sup>2</sup> / 2.5 mm <sup>2</sup>
Note	

**KOSF ZT**

Coding elements



Type	Qty.	Order No.
KOSF ZT4	50	1856860000
APGCE	50	1514490000

**Application**



**Interlock**

- ZVR ZP to interlock with the terminal block
- ZVR ZPS interlock, plug – socket

Ordering data	
	2.5 mm <sup>2</sup>
Note	

**ZVR ZP 2.5**

Locking element



Type	Qty.	Order No.
APGLE 2.5	25	2457570000

**Application ZVR ZP**



**Strain reliefs / Protective cover**

- ZVR ZP Strain relief transmits mechanical forces to the plastic housing and protects the contact point
- ZAD ZT / ZPS Finger protection Protects the contact point from dirt

Ordering data	
	2.5 mm <sup>2</sup>
	4.0 mm <sup>2</sup>
Note	

**ZZE ZP**

**Strain reliefs**



Type	Qty.	Order No.
APGSR 2.5	25	2457580000
APGSR 2.5/4	25	2457590000
APGSR 2.5/8	25	2457600000
ZVR ZP4	25	1855250000

**ZAD ZT / ZPS**

**Protective cover**



Type	Qty.	Order No.
ZAD ZT/ZPS 2.5	25	1861030000

**Application ZZE ZP**

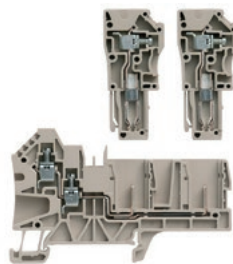


## Screw connection with clamping-yoke technology (W-Series)

### Pluggable terminal blocks

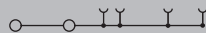
WT4 4 AN/2

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 84.3 x 50
/ 6
0.5...6



#### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	-/-

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
32	30		
4	AWG 26...10		
	8 kV / 3		
	A4 / V-0		

Rated connection		Plug-in connection	
0.5...6	/ 0.5...6		
0.5...4	/ 0.5...4		
	/ 0.6 x 3.5 mm		

**Note**

#### Ordering data

Version	
	dark beige
<b>Note</b>	

Type	Qty.	Order No.
WT4 4AN/2	50	1107680000

#### Accessories

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole
<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Miscellaneous accessories WeiCoS</b>	
	Locking element
	Coding element
	Strain relief
<b>Plug-in connector</b>	
<b>Screwdriver</b>	Standard
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WAP WT4/4AN/2		50	1107780000
WEW 35/2		100	1061200000
ZVR ZP4		25	1855250000
KOSF ZT4		50	1856860000
ZZE ZP4		25	1855260000
WP4/1AN/1		50	1107790000
WP4/1AN/1 ZA		50	1108490000
WP4/1AN/10		10	1107800000
SDS 0.6X3.5X100		1	9008330000
DEK 5/6 MC NE WS		1000	1609820000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

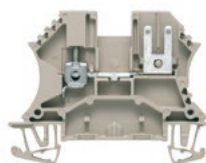
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

**WDU 2.5 F**

**2.5 mm<sup>2</sup>**

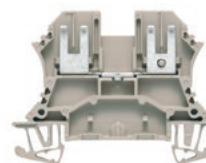
Spade connection right



**WDU 2.5 FF 2\*2.8**

**1 mm<sup>2</sup>**

Spade connection left and right



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 46.25	F2.8 F2.8
<b>12 / 4</b>	
<b>0.13...4</b>	

5.1 x 60 x 46.25	F2.8 F2.8	F2.8 F2.8
<b>12 / 1</b>		
<b>... 1</b>		

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-

IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
12	16	10	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.8 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
12	16	10	
1	AWG 22...14	AWG 26...12	
6 kV / 3			
/ V-0			

CE

Rated connection	Plug-in connection

**Note**

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm<sup>2</sup> conductor..

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm<sup>2</sup> conductor..

**Ordering data**

Version	
	dark beige
	blue
Note	

Type	Qty.	Order No.
WDU 2.5 F 2X2.8	100	<b>1021800000</b>

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	Qty.	Order No.
WDU 2.5 FF 2X2.8	100	<b>1021900000</b>

Technical data refer to a 2.8 mm cable lug connector with 1 mm<sup>2</sup> conductor.

**Accessories**

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
	Blue
End bracket	
	dark beige
Cover	
	With lightning flash symbol
	Blank, white
Identification systems	

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP 2.5-10		50	<b>1050000000</b>
WAP 2.5-10 BL		50	<b>1050080000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WAP 16+35 WTW 2.5-10 BL		20	<b>1050180000</b>
WEW 35/2		100	<b>1061200000</b>
WAD 4 GE BED		50	<b>1072000000</b>
WAD 4 WS		50	<b>1072100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP 2.5-10		50	<b>1050000000</b>
WAP 2.5-10 BL		50	<b>1050080000</b>
WAP 16+35 WTW 2.5-10		20	<b>1050100000</b>
WAP 16+35 WTW 2.5-10 BL		20	<b>1050180000</b>
WEW 35/2		100	<b>1061200000</b>
WAD 4 GE BED		50	<b>1072000000</b>
WAD 4 WS		50	<b>1072100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

**Screw connection with clamping-yoke technology (W-Series)**  
**Pluggable terminal blocks**

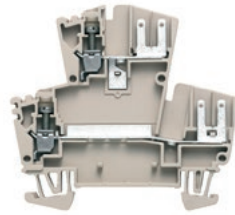
Universal range

A

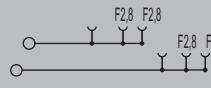
**WDK 2.5 F**

**2.5 mm<sup>2</sup>**

Spade connection right



5.1 x 69.5 x 62.5  
**12 / 4**  
**0.13...4**



IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
12	10	10	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm<sup>2</sup> conductor..

Width/Height/Depth mm  
 max. current / max. cond. cross-section A/mm<sup>2</sup>  
 Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	dark beige	blue
<b>Note</b>		

**Accessories**

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
	Blue
End bracket	
	dark beige
Cover	
	With lightning flash symbol
	Blank, white
Identification systems	

Type	Qty.	Order No.
WDK 2.5 F	100	<b>1021600000</b>
WDK 2.5 F BL	100	<b>1021680000</b>
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WAP WDK2.5 BL		20	<b>1059180000</b>
WTW EN		20	<b>1058800000</b>
WEW 35/2		100	<b>1061200000</b>
WAD 4 GE BED		50	<b>1072000000</b>
WAD 4 WS		50	<b>1072100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

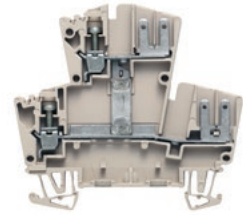
For detailed information on other accessories and application in the online catalogue

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

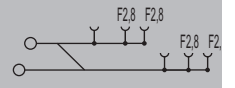
**WDK 2.5 FV**

**2.5 mm<sup>2</sup>**

Spade connection right, both levels at one potential



5.1 x 69.5 x 62.5  
**12 / 4**  
**0.13...4**



IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400		300	
12		10	
2.5		AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

With insulating sleeves on cable lug connectors the voltage increases to 500 V. Current is limited by 2.8 mm cable lug connectors with 1 mm<sup>2</sup> conductor..

Type	Qty.	Order No.
WDK 2.5 FV	100	<b>1022400000</b>
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

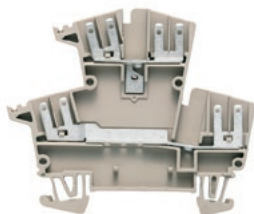
Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WAP WDK2.5 BL		20	<b>1059180000</b>
WTW EN		20	<b>1058800000</b>
WEW 35/2		100	<b>1061200000</b>
WAD 4 GE BED		50	<b>1072000000</b>
WAD 4 WS		50	<b>1072100000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Insulating sleeve for flat blade connector 2.8 mm, order no. 0386060000. Cross-connections, see section "W series accessories".

WDK 2.5 FF

1 mm<sup>2</sup>

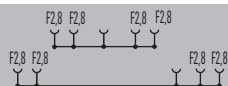
Spade connection left and right



5.1 x 75.5 x 62.5

12 / 1

...1



IEC 61210, In accordance with IEC  
60947-7-1

IEC	UL	CSA	EN 60079-7
400		300	
12		10	
1		AWG 26...12	
	6 kV / 3		
	/ V-0		

CE

**Rated connection** **Plug-in connection**

With insulating sleeves on cable lug connectors the voltage increases to 500 V.  
Current is limited by 2.8 mm cable lug connectors with 1 mm<sup>2</sup> conductor..

Type	Qty.	Order No.
WDK 2.5 FF	100	1021700000

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WAP WDK2.5 BL		20	1059180000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 4 GE BED		50	1072000000
WAD 4 WS		50	1072100000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Insulating sleeve for flat blade connector 2.8 mm, order no. 0398060000. Cross-connections, see section "W series accessories".



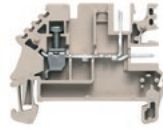
# Screw connection with clamping-yoke technology (W-Series)

## Pluggable terminal blocks

### WDU 1.5 BLZ 5.08 WQV

1.5 mm<sup>2</sup>

#### Screwable cross-connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.08 x 49 x 37	WQV	BLZ 5.08
<b>16 / 4</b>		
<b>0.13...4</b>		BLZ 5.08

IEC 61210, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
16	20	10	
1.5	AWG 26...12	AWG 26...12	
		4 kV / 3	
		A3 / V-0	

CE ENEC UL

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

Dimensions with female header BLZ: length 57.5 mm / height 55.5 mm.

#### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-

#### Note

#### Ordering data

Version	
	dark beige
Note	

#### Accessories

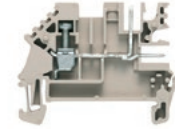
Pluggable cross-connection	
	2-pole
	10-pole
Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	Without peg
	With spigot
End bracket	
	dark beige
Mounting block for socket connector	
	Without peg
	With spigot
Plug-in connector	
Identification systems	
Miscellaneous accessories	
	Cover for unused pins

For detailed information on other accessories and application in the online catalogue

### WDU 1.5 BLZ 5.08 ZQV

1.5 mm<sup>2</sup>

#### Plug-in cross-connection



5.08 x 49 x 37	ZQV	BLZ 5.08
<b>16 / 4</b>		
<b>0.13...4</b>		BLZ 5.08

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
16	20	20	
1.5	AWG 26...12	AWG 26...12	
		4 kV / 3	
		A3 / V-0	

CE ENEC ENEC

Rated connection	Plug-in connection
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
10 / 0.6 x 3.5 mm	

Dimensions with female header BLZ: length 57.5 mm / height 55.5 mm.

Type	Qty.	Order No.
WDU 1.5/ZQV/BLZ 5.08	100	<b>1784460000</b>
2.5 mm <sup>2</sup> conductor with wire-end ferrule with plastic collar, only with order no. 1333100000 (500 pieces).		

Type	Qty.	Order No.
WDU 1.5/BLZ 5.08	100	<b>1577340000</b>
WDU 1.5 BIA Order no. 1577260000 (100 pcs.). 2.5 mm <sup>2</sup> conductor with wire-end ferrule with plastic collar, only with order no. 1333100000, QTY 500.		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDU1.5/BLZ		50	<b>1577330000</b>
WAP WDU1.5/BLZ/ZA		50	<b>1577320000</b>
WEW 35/2		100	<b>1061200000</b>
WBB WDU1.5/BL...		10	<b>1068160000</b>
WBB ZA WDU1.5/BL 10/10		10	<b>1068260000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC SDR		144	<b>1609870000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
SCHT 7		20	<b>0517960000</b>
ZGB 30		20	<b>1611930000</b>

The WBB with peg (order number 1068260000) can be used for direct mounting on both sides. Cross-connections, see section "W series accessories".

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	<b>1527540000</b>
ZQV 2.5N/10	24 A	20	<b>1527690000</b>
WAP WDU1.5/BLZ		50	<b>1577330000</b>
WAP WDU1.5/BLZ/ZA		50	<b>1577320000</b>
WEW 35/2		100	<b>1061200000</b>
WBB WDU1.5/BL...		10	<b>1068160000</b>
WBB ZA WDU1.5/BL 10/10		10	<b>1068260000</b>
BLZP 5.08HC/04/180 SN OR BX		90	<b>1943600000</b>
BLZP 5.08HC/06/180 SN OR BX		60	<b>1943620000</b>
BLZP 5.08HC/08/180 SN OR BX		42	<b>1943640000</b>
BLZP 5.08HC/04/180F SN OR BX		60	<b>1944110000</b>
BLZP 5.08HC/06/180F SN OR BX		42	<b>1944130000</b>
BLZP 5.08HC/08/180F SN OR BX		36	<b>1944150000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC SDR		144	<b>1609870000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>
SCHT 7		20	<b>0517960000</b>
ZGB 30		20	<b>1611930000</b>

The WBB with peg (order number 1068260000) can be used for direct mounting on both sides. Cross-connections, see section "W series accessories".





# Screw connection with clamping-yoke technology (W-Series)

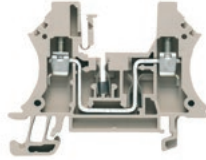
## Terminal blocks with electronic components

Universal range

A

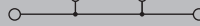
WPO 4

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6 x 60 x 46,5
<b>32 / 4</b>
<b>0.13...4</b>



### Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-

**Note**

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
32	10	10	
4	AWG 26...12	AWG 26...12	
	4 kV / 3		
	A3 / V-0		

CE

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
8 / 0.6 x 3.5 mm	

The tightening torque is 2 Nm when connecting two conductors.

### Ordering data

Version	dark beige
<b>Note</b>	

Type	Qty.	Order No.
WPO 4	50	1036000000

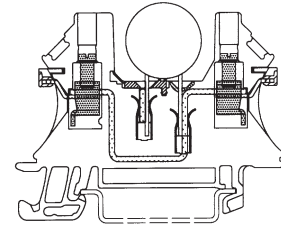
### Accessories

Intermediate frame	Thickness 2.5 mm
Busbar	1 m
Identification systems	

Type	current	Qty.	Order No.
ZR WPO4 DB		20	1071100000
SSCH 7.3X1.2X1000		1	1071200000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/5 MC NE WS		720	1609860000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000

For detailed information on other accessories and application in the online catalogue

### WPO 4 with varistor

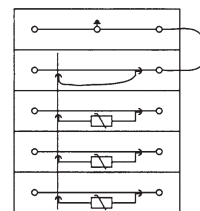


Weidmüller varistor terminals have been designed for the retrofitting of electronic components, e.g. varistors, diodes, gas discharge tubes, etc. These "electronic terminals" no longer have to be configured prior to installation for subsequent delivery with soldered components which can no longer be distinguished.

The significant advantages of this design are:

- **Cost saving:**  
Components can be changed quickly on site. Service requires only a visual inspection.
- **Clarity:**  
Components are easy to distinguish.
- **Flexibility:**  
Components can immediately be adapted to changed conditions.

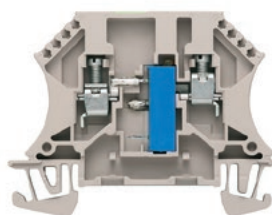
**Note:**  
Never change electronic components under load!



Overvoltages in a 3-phase supply discharged to earth via WPE 4 with the aid of varistors and a gas discharge tube.

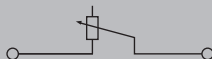
WDUL 4/...

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.5 x 60 x 46.5  
**6 / 6**  
**0.13...6**



#### Technical data for the 10 Ω compensating resistor

Resistor material: "Cermet"  
Resistor setting range: 0...30 Ω  
Wave form: linear  
Temperature coefficient: 100 ppm/°C  
Mechanical lifespan: 200 operations without permissible deviations, across the entire resistance range  
Resistance change per spindle turn: ≈ 0,4 Ω  
Rated output for total resistance: 1 watt at 70 °C  
Rated current: 300 mA  
Ambient temperature: -55 °C to +70 °C  
Ingress (seal) protection:  
1) Leak tested in water at 70 °C without bubble formation  
2) Storage in SFW 2.0 S, acc. to DIN 50018, 9 cycles

#### Technical data

Rated data	
Rated voltage	-
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7

CE EMC

Rated connection	
0.5...6 / 1.5...6	
0.5...4 / 0.5...2.5	
9 / 0.6 x 3.5 mm	

#### Note

#### Ordering data

Version	
	10 Ω
	100 Ω
	500 Ω
	1 kΩ
	5 kΩ
	10 kΩ
	50 kΩ
	500 kΩ
	without potentiometer

#### Note

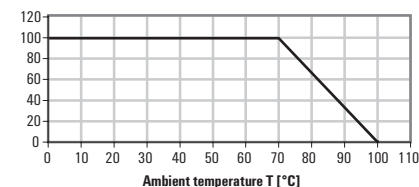
Type	Qty.	Order No.
WDUL 4/10	10	1027000000
WDUL 4/100	10	1027300000
WDUL 4/500	10	1027400000
WDUL 4/1K	10	1027500000
WDUL 4/5K	10	1027600000
WDUL 4/10K	10	1027700000
WDUL 4/50K	10	1027800000
WDUL 4/500K	10	1028000000
WDUL 4	10	8161820000

#### Accessories

End plate / Partition plate	
	dark beige
	dark beige
End bracket	
	dark beige
Screwdriver	
	With "swifty set" cutting device
	Standard
Shield bus	
Identification systems	

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 16+35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
LS 2.8 WDU2.5-10		100	1056400000
DEK 5/5 MC NE WS		1000	1609801044

Capacity expressed in % of rated load



For detailed information on other accessories and application in the online catalogue



# Screw connection with clamping-yoke technology (W-Series)

## Terminal blocks with electronic components

### WDK 2.5/D

2.5 mm<sup>2</sup>

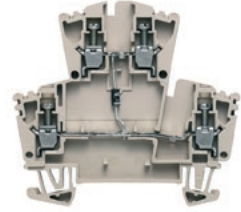
Reverse polarity protection



### WDK 2.5/D/1

2.5 mm<sup>2</sup>

Suppression circuit e. g. for contactor



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 69 x 62.5	
<b>10 / 4</b>	
<b>0.05...4</b>	

5.1 x 69 x 62.5	
<b>10 / 4</b>	
<b>0.05...4</b>	

#### Technical data

Rated data	
Rated voltage	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
	300		
10	20		
2.5	AWG 22...12		
6 kV / 3			
A3 / V-0			
CE			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
10 / 0.6 x 3.5 mm			
Rated current is 10 A for continuous busbars only. Diode 1 N 4007			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400	300	300	
10	20	1	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			
CE			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
10 / 0.6 x 3.5 mm			
Rated current is 10 A for continuous busbars only. Diode 1 N 4007			

#### Ordering data

Version	dark beige
	dark beige (red LED)
	dark beige (green LED)
Note	

Type	Qty.	Order No.
WDK 2.5 1D	25	<b>8025610000</b>
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	Qty.	Order No.
WDK 2.5 1D A.1	25	<b>1023400000</b>
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	With "swifty set" cutting device
	Standard
Identification systems	

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5			
		20	<b>1059100000</b>
WEW 35/2			
		100	<b>1061200000</b>
SWIFTY SET			
		1	<b>9006060000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5			
		20	<b>1059100000</b>
WEW 35/2			
		100	<b>1061200000</b>
SWIFTY SET			
		1	<b>9006060000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

Cross-connections, see section "W series accessories".

WDK 2.5/D/2

2.5 mm<sup>2</sup>

Suppression circuit e. g. for contactor



5.1 x 69 x 62.5  
10 / 4  
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
10	20	1	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
10 / 0.6 x 3.5 mm

Rated current is 10 A for continuous busbars only. Diode 1 N 4007

Type	Qty.	Order No.
WDK 2.5 1D A.2	25	1023300000
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, see section "W series accessories".

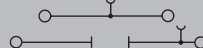
WDK 2.5/D/3

2.5 mm<sup>2</sup>

Suppression circuit e. g. for contactor



5.1 x 69 x 62.5  
10 / 4  
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
10			
2.5			
6 kV / 3			
A3 / V-0			

CE

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 2.5/D/3	100	1023100000
2.5 mm <sup>2</sup> conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)		

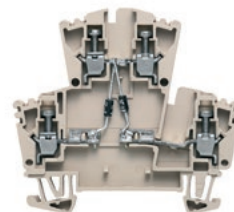
Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, see section "W series accessories".

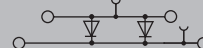
WDK 2.5/D/4

2.5 mm<sup>2</sup>

Lamp test circuits



5.1 x 69 x 62.5  
10 / 4  
0.05...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300		
10	20		
2.5	AWG 22...12		
6 kV / 3			
A3 / V-0			

CE

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
10 / 0.6 x 3.5 mm

Rated current is 10 A for continuous busbars only. Diode 1 N 4007

Type	Qty.	Order No.
WDK 2.5 2D 1.A	25	8014670000
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, see section "W series accessories".



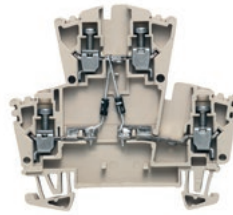
# Screw connection with clamping-yoke technology (W-Series)

## Terminal blocks with electronic components

### WDK 2.5/D/5

2.5 mm<sup>2</sup>

Lamp test circuits



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 69 x 62.5
<b>10 / 4</b>
<b>0.05...4</b>



#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400	300	300	
10	20	10	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			
CE CB ENEk A			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
10 / 0.6 x 3.5 mm			
Note			
Rated current is 10 A for continuous busbars only. Diode 1 N 4007			

#### Ordering data

Version	
	dark beige
	dark beige (red LED)
	dark beige (green LED)
Note	

Type	Qty.	Order No.
WDK 2.5 2D 2A	25	1022600000
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

#### Accessories

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	With "swifty set" cutting device
	Standard
Identification systems	

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

### WDK 2.5/D/6

2.5 mm<sup>2</sup>

Lamp test circuits



5.1 x 69 x 62.5
<b>10 / 4</b>
<b>0.05...4</b>



IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
400	300	300	
10	20	10	
2.5	AWG 22...12	AWG 26...12	
6 kV / 3			
A3 / V-0			
CE CB ENEk A			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
10 / 0.6 x 3.5 mm			
Note			
Rated current is 10 A for continuous busbars only.			

Type	Qty.	Order No.
WDK 2.5 2D	25	1023500000
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP WDK2.5		20	1059100000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000

Cross-connections, see section "W series accessories".

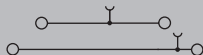
**WDK 2.5/D**

**2.5 mm<sup>2</sup>**

For installing electronic components



5.1 x 69.5 x 62.5  
**10 / 4**  
**0.05...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
10			
2.5			
	6 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
10 / 0.6 x 3.5 mm

Rated current is 10 A for continuous busbars only.

Type	Qty.	Order No.
WDK 2.5/D	100	<b>1023200000</b>

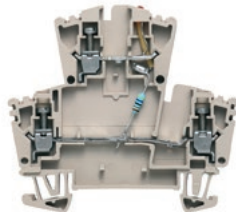
2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

**WDK 2.5 LD +/-**

**2.5 mm<sup>2</sup>**

DC voltage indicator +/-



5.1 x 69 x 62.5  
**10 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
2.5			
	0.8 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 2.5 LD RT 24VDC +/-	25	<b>1023600000</b>
WDK 2.5 LD/GN 1R 24VDC	25	<b>8023610000</b>

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

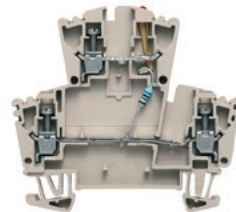
Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Cross-connections, see section "W series accessories".

**WDK 2.5 LD - +**

**2.5 mm<sup>2</sup>**

DC voltage indicator - / +



5.1 x 69 x 62.5  
**10 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24			
2.5			
	0.8 kV / 3		
	A3 / V-0		

Rated connection
0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDK 2.5 LD RT 24VDC - +	25	<b>8023630000</b>
WDK 2.5 LD GR 1R 24VDC	25	<b>8010040000</b>

2.5 mm<sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).

Type	current	Qty.	Order No.
WQV 2.5/2	32 A	50	<b>1053660000</b>
WQV 2.5/10	32 A	20	<b>1054460000</b>
WAP WDK2.5		20	<b>1059100000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>
DEK 5/5 MM WS		800	<b>2007110000</b>
WS 8/5 MM WS		800	<b>2007150000</b>

Cross-connections, see section "W series accessories".



**Screw connection with clamping-yoke technology (W-Series)**  
**Mini terminal blocks for enclosure wiring**

Universal range

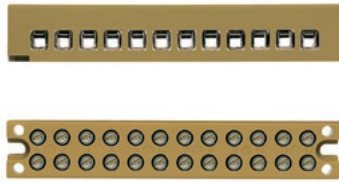
**A**

**MK 2/12**

**2.5 mm<sup>2</sup>**

**MK 3/2...12**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

15 x 86 x 15
<b>24 / 4</b>
<b>0.2...4</b>

91.25 x 15 x 16.1
<b>24 / 4</b>
<b>0.33...4</b>

**Technical data**

Rated data	
Rated voltage	
Rated current	
for wire cross-section	
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	
Flexible / Flexible with ferrule	
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
125	300	300	
24	10	10	
2.5	AWG 24...12	AWG 24...12	
2.5 kV / 3			
A2 / V-2			

CE CB IEC UL

Rated connection	
0.5...4 / 1.5...2.5	
0.5...2.5 / 0.5...1.5	
/ (M 2.5)	
5 / 0.6 x 3.5 mm	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
24	20	25	
2.5	AWG 22...12	AWG 22...12	
6 kV / 3			
A2 / 5VA			

CE CB IEC UL

Rated connection	
0.5...4 / 1.5...2.5	
0.5...2.5 / 0.5...1.5	
/ (M 2.5)	
5 / 0.6 x 3.5 mm	

**Note**

**Ordering data**

Order data, sorting catalogue 1/SAK	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
10-pin	
12-pin	
16-pin	

Type	Height	Mounting	Qty.	Order No.
MK 2/12	86	80	50	<b>0241260000</b>

Type	Height	Mounting	Qty.	Order No.
MK 3/2	15	18.5	100	<b>0273820000</b>
MK 3/3	15	18.5	50	<b>0273920000</b>
MK 3/4	15	18.5	50	<b>0274020000</b>
MK 3/5	15	18.5	50	<b>0274120000</b>
MK 3/6	15	37	50	<b>0274220000</b>
MK 3/7	15	37	50	<b>0274320000</b>
MK 3/8	15	55.5	25	<b>0274420000</b>
MK 3/10	15	74	20	<b>0274620000</b>
MK 3/12	15	92.5	20	<b>0243520000</b>

**Note**

For detailed information on other accessories and application in the online catalogue



**MK 4/16**

**2.5 mm<sup>2</sup>**

**MK 6/2...6/6**

**6 mm<sup>2</sup>**



17 x 103 x 16  
24 / 4  
0.2...4

23 x 23.5 x 22  
41 / 6  
0.33...6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	150	150	
24	15	15	
2.5	AWG 24...12	AWG 22...12	
6 kV / 3			
A2 / 5VA			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
690	300	300	
41	30	40	
6	AWG 22...10	AWG 22...10	
8 kV / 3			
A3 / 5VA			

CE

**Rated connection**

0.5...4 / 1.5...2.5

0.5...2.5 / 0.5...1.5

/(M 2.5)

5 / 0.6 x 3.5 mm

CE

**Rated connection**

0.5...6 / 1.5...6

0.5...6 / 0.5...4

/(M 4)

9 / 4.0 x 0.8 mm

Type	Height	Mounting	Qty.	Order No.
MK 4/16	103	85.5	20	0244220000

Type	Height	Mounting	Qty.	Order No.
MK 6/2	23.5		50	0620420000
MK 6/3	36.5	13	50	0620320000
MK 6/4	49.5	26	20	0620220000
MK 6/6	75.5	52	20	0620120000



## Screw connection with clamping-yoke technology (W-Series)

### Mini terminal blocks for enclosure wiring

Universal range

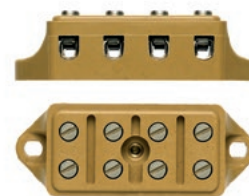
A

**MK 5/2 0.DE**

**2.5 mm<sup>2</sup>**

**KS 2...10**

**2.5 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

18 x 40 x 14.2  
**24 / 4**  
**0.2...4**

25 x 138 x 17.5  
**24 / 4**  
**0.2...4**

#### Technical data

Rated data	
Rated voltage	
Rated current	
for wire cross-section	
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	
Flexible / Flexible with ferrule	
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	

IEC	UL	CSA	EN 60079-7
500		300	
24		25	
2.5		AWG 20...14	
		6 kV / 3	
		A2 / 5VA	
CE			
Rated connection			
0.5...4 / 1.5...2.5			
0.5...2.5 / 0.5...1.5			
/ (M 2.5)			
5 / 0.6 x 3.5 mm			

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300	300	
24	20	25	
2.5	AWG 24...12	AWG 24...12	
		6 kV / 3	
		A2 / 5VA	
CE			
Rated connection			
0.5...4 / 1.5...2.5			
0.5...2.5 / 0.5...1.5			
/ (M 3)			
8 / 4.0 x 0.8 mm			

**Note**

#### Ordering data

Order data, sorting catalogue 1/SAK	
2-pin	
3-pin	
4-pin	
6-pin	
10-pin	
12-pin	

Type	Height	Mounting	Qty.	Order No.
MK 5/2 0.DE	40	32	100	<b>0243820000</b>

Type	Height	Mounting	Qty.	Order No.
KS 2 0.D2	42	32	100	<b>0134420000</b>
KS 4 0.D4	66	56	50	<b>0140320000</b>
KS 6 0.D6	90	80	50	<b>0140620000</b>
KS 10 0.D10	138	128	20	<b>0141620000</b>

**Note**

#### Accessories

Type	Qty.	Order No.
Lid / cover		
D 2 MK5/2 PA/NA	50	<b>0244060000</b>

Type	Qty.	Order No.
D2 KS2 TP	100	<b>0134500000</b>
D4 KS4 TP	50	<b>0140500000</b>
D6 KS6 TP	50	<b>0140800000</b>
D10 KS10 TP	20	<b>0141800000</b>

For detailed information on other accessories and application in the online catalogue

BK 2...12

4 mm<sup>2</sup>



22 x 92 x 20  
32 / 4  
0.33...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	150	300	
32	20	10	
4	AWG 26...12	AWG 22...12	
6 kV / 3			
A3 / V-0, 5VA			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...4

/ (M 3)

8 / 4.0 x 0.8 mm

Two solid (single-core) conductors of equal cross-section (0.5 ... 1.5 mm<sup>2</sup>) can be connected.

Type	Height	Mounting	Qty.	Order No.
BK 2 CRN	20		100	0624720000
BK 3 CRN	31	11	100	0624920000
BK 4 CRN	38	18	100	0625120000
BK 6 CRN	52	32	50	0625220000
BK 12 CRN	92	72.5	25	0625320000



## Screw connection with clamping-yoke technology (W-Series)

### Mini terminal blocks for enclosure wiring

#### BK 2...12/E

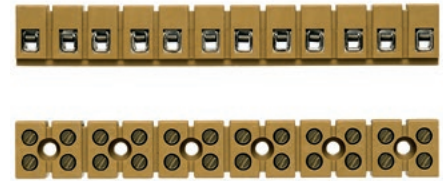
4 mm<sup>2</sup>

Solid / stranded  
Flexible / flexible with wire-end ferrule



#### MK 3/2...12/E

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

22 x 92 x 20
<b>32 / 4</b>
<b>0.33...4</b>

15 x 110 x 16.1
<b>24 / 4</b>
<b>0.33...4</b>

#### Technical data

Rated data	
Rated voltage	400
Rated current	32
for wire cross-section	4
Rated impulse withstand voltage / Pollution severity	6 kV / 3
Gauge to IEC 60947-1 / UL 94 flammability rating	A3 / V-0, 5VA
Approvals	BAS 98ATEX3084 U
Clamped conductors (H05V/H07V)	
Solid / Stranded	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	0.5...4 / 0.5...4
Tightening torque (clamping screw for copper conductors)	/(M 3)
Stripping length / Blade size	8 / 4.0 x 0.8 mm

IEC 60947-7-1	UL	CSA	EN 60079-7
400	150	300	275
32	20	10	28
4	AWG 26...12	AWG 22...12	4 mm <sup>2</sup>
6 kV / 3			
A3 / V-0, 5VA			
BAS 98ATEX3084 U			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...4			
/(M 3)			
8 / 4.0 x 0.8 mm			

IEC 60947-7-1	UL	CSA	EN 60079-7
400	300	300	275
24	20	25	21
2.5	AWG 22...12	AWG 22...12	2.5 mm <sup>2</sup>
6 kV / 3			
A2 / 5VA			
BAS 99ATEX2124 U			
Rated connection			
0.5...4 / 1.5...2.5			
0.5...2.5 / 0.5...1.5			
/(M 2.5)			
5 / 0.6 x 3.5 mm			

**Note**

Two solid (single-core) conductors of equal cross-section (0.5 ... 1.5 mm<sup>2</sup>) can be connected.

#### Ordering data

Order data, sorting catalogue 1/SAK	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
8-pin	
12-pin	

Type	Height	Mounting	Qty.	Order No.
BK 2/E	20		100	<b>7906040000</b>
BK 3/E	31	11	100	<b>7906060000</b>
BK 4/E	38	18	100	<b>7906080000</b>
BK 6/E	52	32	50	<b>7906090000</b>
BK 12/E	92	72.5	25	<b>7906100000</b>

Type	Height	Mounting	Qty.	Order No.
MK 3/2/E	15	18.5	100	<b>7906110000</b>
MK 3/3/E	15	18.5	50	<b>7906120000</b>
MK 3/4/E	15	18.5	50	<b>7906130000</b>
MK 3/6/E	15	37	50	<b>7906150000</b>
MK 3/8/E	15	55.5	25	<b>7906170000</b>
MK 3/12/E	110	92.5	20	<b>7906210000</b>

**Note**

\*DU = feed-through terminals, PE = PE terminals

#### Accessories

Lid / cover	Qty.	Order No.
D2 KS2 TP	100	<b>0134500000</b>
D4 KS4 TP	50	<b>0140500000</b>
D6 KS6 TP	50	<b>0140800000</b>
D10 KS10 TP	20	<b>0141800000</b>

For detailed information on other accessories and application in the online catalogue

MK 6/2...6/E

6 mm<sup>2</sup>



23 x 23.5 x 22  
41 / 6  
0.33...6

IEC 60947-7-1 Ex e IIII 2 G D

IEC	UL	CSA	EN 60079-7
690	300		440
41	30		36
6	AWG 22...10		6 mm <sup>2</sup>
8 kV / 3			
A3 / 5VA			

BAS 99ATEX2123 U

**Rated connection**

0.5...6 / 1.5...6

0.5...6 / 0.5...4

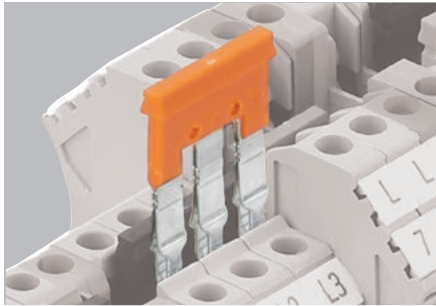
/ (M 4)

9 / 4.0 x 0.8 mm

Type	Height	Mounting	Qty.	Order No.
MK 6/2/E	23.5		50	7906220000
MK 6/3/E	36.5	13	50	7906230000
MK 6/4/E	49.5	26	20	7906240000
MK 6/5/E	62.5	26	20	7906250000
MK 6/6/E	75.5	52	20	7906260000



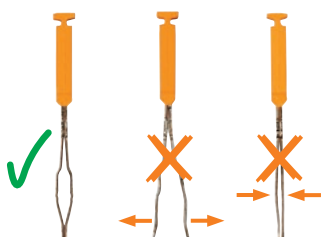
# ZQV plug-in cross-connection



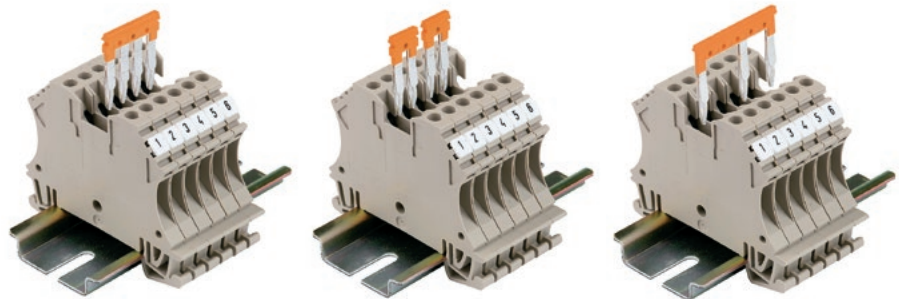
Weidmüller is the leading manufacturer of plug-in cross connection systems for screw clamp terminals. The plug-in cross-connections stand out with their easy handling and quick assembly, resulting in considerable time savings compared to screwed assembly solutions. This also ensures that all poles remain securely in contact.

### Assembly / Technical information

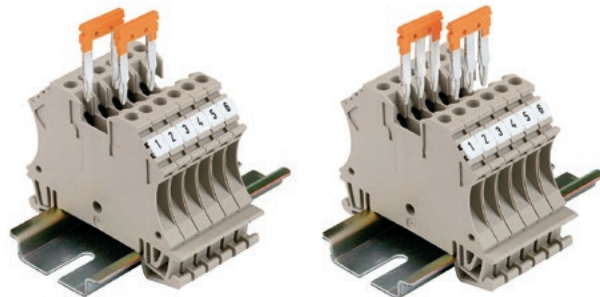
- The ZQV is pressed into the cross-connection channel by hand.
- **Important!** Ensure that the ZQV is pressed right in. The cross-connection must not protrude out of the cross-connection channel.
- To replace or remove, simply lever out with a screwdriver.
- Reduced rated voltage 400 V
- Different colours can be used to mark different potential
- **Important!** The contact elements must not be deformed



### In one cross-connection channel

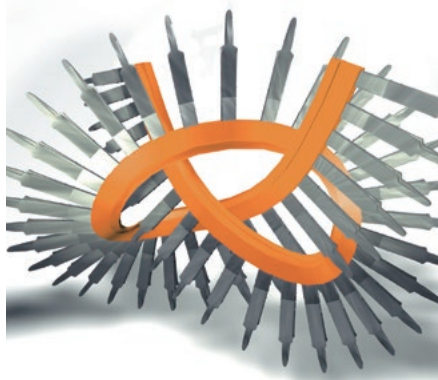


### In two cross-connection channels



### Possible cross-connections of terminals of the same type with corresponding cross-connectors

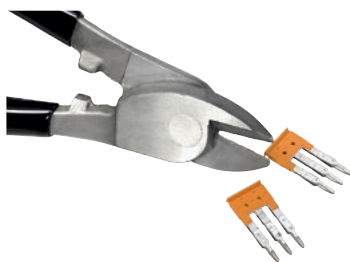
Terminal type	Cross-connector	single	adjacent	bridging	parallel bridging	parallel lengthening
<b>Standard</b>						
WDU 1.5/ R3.5	ZQV 1.5/ R3.5	•	•	•		
WDK 1.5/ R3.5	ZQV 1.5/ R3.5	•	•	•		
WDU 2.5/1.5/ZR	ZQV 2.5N	•	•	•	•	•
WDU 2.5	ZQV 2.5N	•	•	•	•	•
WDK 2.5 ZQV	ZQV 2.5N	•	•	•		
WTR 2.5/ZZ	ZQV 2.5	•	•	•		
WDU 4	ZQV 4N	•	•	•	•	•
WTR 4...	ZQV 4N	•	•	•		
WDU/PE/4ZZ/ZR	ZQV 4N	•	•	•	•	•
WTR 4/ZZ/ZR	ZQV 4N	•	•	•		
<b>Compact</b>						
WDU 2.5N ZQV	ZQV 2.5N	•	•	•	•	•
WDK 2.5N...	ZQV 2.5N	•	•	•		
WDK 2.5N PE	ZQV 2.5N	•	•	•		
WDU 4N	ZQV 4N	•	•	•	•	•
WDK 4N...	ZQV 4N	•	•	•		
WDK 4N PE	ZQV 4N	•	•	•		



**Continuous cross-connection**

ZQV 2.5N/20 (20-pole) and ZQV 4N/20 (20-pole) are ideal for shortening (e.g. with tool KT ZQV - 9002170000) to produce customised configurations with the required number of poles.

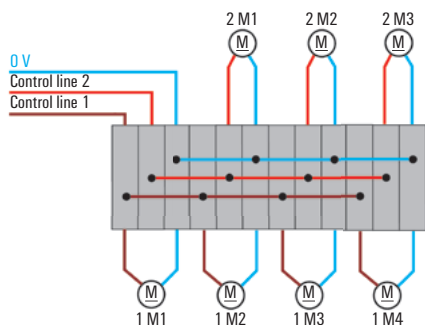
More than 20 poles in a row are not recommended because of the resulting tolerances in the terminals.



**Special features of**

WDU 2.5, WDU 4 und WDU 2.5/1.5/ZR

- Parallel distribution of 3 potentials  
**Important!** Rated voltage reduced to 125 V!
- Parallel distribution of 2 potentials  
**Important!** Only when using the outer cross-connection holes at 400 V
- The middle cross-connection hole can be used for either ZQV or WQV



**Important!** By using manually cut ZQV and cross-connections with blank cut edges (> 10 poles) the voltage reduces to 25 V.

Screw connection with clamping-yoke technology (W-Series)  
Accessories - Potential distribution

Universal range

**A**

Continuous cross-connection

ZQV 2.5N

ZQV 4N



<b>Technical data</b>	
current	A
<b>Ordering data</b>	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
20-pin	
<b>Note</b>	

24			
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
ZQV 2.5N/2	60	1527540000	
ZQV 2.5N/3	60	1527570000	
ZQV 2.5N/4	60	1527590000	
ZQV 2.5N/5	20	1527620000	
ZQV 2.5N/6	20	1527630000	
ZQV 2.5N/7	20	1527640000	
ZQV 2.5N/8	20	1527670000	
ZQV 2.5N/9	20	1527680000	
ZQV 2.5N/10	20	1527690000	
ZQV 2.5N/20	20	1527720000	
<b>Note</b>			

32			
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
ZQV 4N/2	60	1527930000	
ZQV 4N/3	60	1527940000	
ZQV 4N/4	60	1527970000	
ZQV 4N/5	60	1527980000	
ZQV 4N/6	20	1527990000	
ZQV 4N/7	20	1528020000	
ZQV 4N/8	20	1528030000	
ZQV 4N/9	20	1528070000	
ZQV 4N/10	20	1528090000	
<b>Note</b>			



<b>Technical data</b>	
current	A
<b>Ordering data</b>	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
20-pin	
<b>Note</b>	

24			
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
ZQV 2.5N/2 BL	60	1527740000	
ZQV 2.5N/3 BL	60	1527770000	
ZQV 2.5N/4 BL	60	1527780000	
ZQV 2.5N/5 BL	20	1527790000	
ZQV 2.5N/6 BL	20	1527820000	
ZQV 2.5N/7 BL	20	1527830000	
ZQV 2.5N/8 BL	20	1527840000	
ZQV 2.5N/9 BL	20	1527870000	
ZQV 2.5N/10 BL	20	1527880000	
ZQV 2.5N/20 BL	20	1527890000	
<b>Note</b>			

32			
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
ZQV 4N/2 BL	60	1528040000	
ZQV 4N/3 BL	60	1528080000	
ZQV 4N/4 BL	60	1528120000	
ZQV 4N/5 BL	60	1528140000	
ZQV 4N/6 BL	20	1528170000	
ZQV 4N/7 BL	20	1528180000	
ZQV 4N/8 BL	20	1528190000	
ZQV 4N/9 BL	20	1528220000	
ZQV 4N/10 BL	20	1528230000	
<b>Note</b>			



<b>Technical data</b>	
current	A
<b>Ordering data</b>	
2-pin	
3-pin	
4-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
20-pin	
<b>Note</b>	

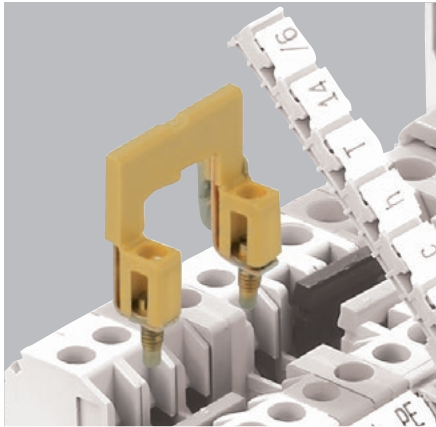
24			
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
ZQV 2.5N/2 RD	60	2108470000	
ZQV 2.5N/3 RD	60	2108690000	
ZQV 2.5N/4 RD	60	2108700000	
ZQV 2.5N/5 RD	20	2108710000	
ZQV 2.5N/6 RD	20	2108720000	
ZQV 2.5N/7 RD	20	2108810000	
ZQV 2.5N/8 RD	20	2108870000	
ZQV 2.5N/9 RD	20	2108900000	
ZQV 2.5N/10 RD	20	2108910000	
ZQV 2.5N/20 RD	20	2108920000	
<b>Note</b>			

32			
<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>	
ZQV 4N/2 RD	60	2460450000	
ZQV 4N/3 RD	60	2460810000	
ZQV 4N/4 RD	60	2460800000	
ZQV 4N/5 RD	60	2460790000	
ZQV 4N/6 RD	20	2460780000	
ZQV 4N/7 RD	20	2460770000	
ZQV 4N/8 RD	20	2460760000	
ZQV 4N/9 RD	20	2460750000	
ZQV 4N/10 RD	20	2460740000	
<b>Note</b>			





## WQV screw-in cross-connection



### Any number of poles (extending)

Pre-fitted cross-connections can be set one after the other to produce any required number of poles. To do so, arrange the last and first contact points of two identical WQVs so that they overlap.

- First, remove the fixing screw and screwdriver guide (insulated part) at one of the outer contact points of one of the WQVs.

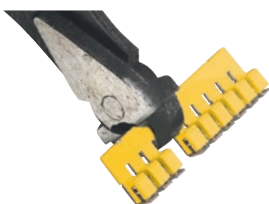
Thanks to the many possible ways in which the WQV cross-connection system can be used – break-out of individual layers, creation of any number of poles or running of two voltages parallel to one another – individual modules can be realised very easily!

### Technical instructions

- The full rated current of the terminals can be routed across any number of poles.
- No end plates or partition plates needed for adjacent WQV up to 400 V.

### Assembly

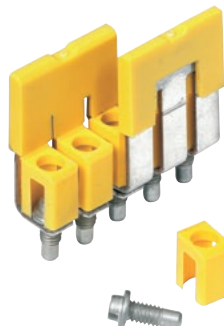
- Place the WQV in the cross-connection channel in the middle of the terminal and screw tight.
- Individual WQV segments can be broken out by bending over or using the WAW1 tool (9004500000). It is then possible to bridge individual or several terminals.



- Captive fixing screws.
- Snap onto the clamped support – simple overhead assembly.



- Then insert the WQV without fixing screw and insulated part. At the same time, insert an unmodified WQV in parallel so as to produce an overlap at the connection. The connection is screwed tight using the fixing screw of the unmodified WQV.

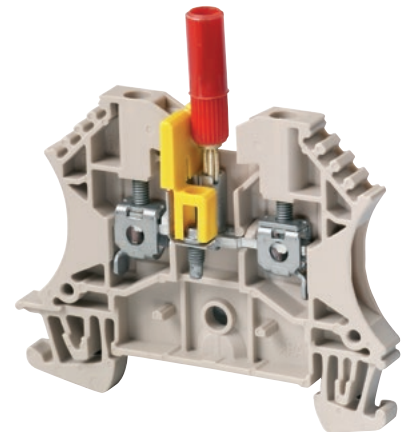


### Routing 2 potentials in parallel

- In spite of only having 1 channel, the QV cross-connection system can still be used for offset cross-connections. See the photo “parallel bridging” (see on the next page).

### WQV in combination with a socket contact and test plug

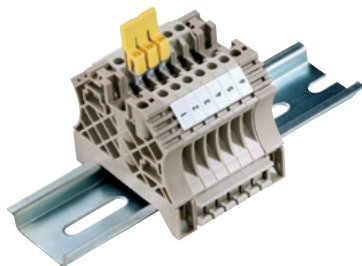
- Remove the fixing screw and insulation part of the WQV. Screw the socket in at this point. This now makes it possible to integrate a safe test point.



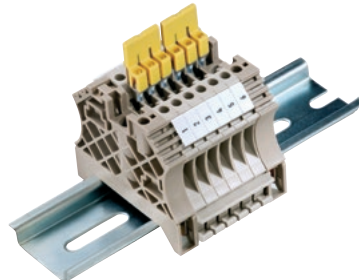
Potential distribution – possible combinations

In one cross-connection channel

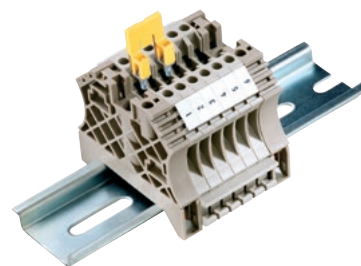
single



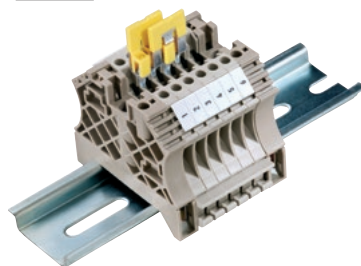
adjacent



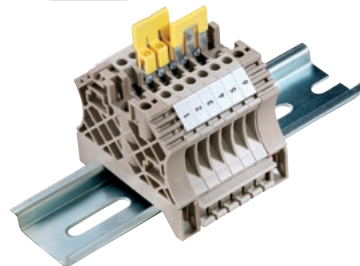
bridging



parallel/bridging



parallel/lengthening



Possible cross-connections of terminals of the same type  
with appropriate cross-connectors

Terminal type	Cross-connector	single	adjacent	bridging	parallel bridging	parallel lengthening
Standard						
WDU 1.5/ZZ	WQV 2.5	•	•	•	•	•
WDU 1.5/BLZ	WQV 2.5	•	•	•	•	•
WDU 2.5/1.5/ZR	WQV 2.5	•	•	•	•	•
WDU 2.5 - WDU 35	WQV 2.5 - WQV 35	•	•	•	•	•
WDK 2.5...	WQV 2.5	•	•	•	•	•
WDK 2.5 PE	WQV 2.5	•	•	•	•	•
WDU 2.5/BLZ	WQV 2.5	•	•	•	•	•
WDK 2.5/BLZ	WQV 2.5	•	•	•	•	•
WDU 2.5 F...	WQV 2.5	•	•	•	•	•
WDK 2.5 F...	WQV 2.5	•	•	•	•	•
WDU 4... - WDU 35...	WQV 4 - WQV 35	•	•	•	•	•
WDU 70/95	WQV 70/95	•	•	•	•	•
WDU 120/150	WQV 120/150	•	•	•	•	•
WDU 240	WQB 240	•	•	•	•	•
Compact						
WDU 2.5N	WQV 2.5	•	•	•	•	•
WDU 2.5N 600V	WQV 2.5	•	•	•	•	•
WDU 16N	WQV 16N	•	•	•	•	•
WDU 35N	WQV 35N	•	•	•	•	•
WDU 50N	WQV 50N	•	•	•	•	•
WDU 70N	WQV 70N	•	•	•	•	•
WDU 95N/120N	WQV 95N/120N	•	•	•	•	•



Screw connection with clamping-yoke technology (W-Series)  
Accessories - Potential distribution

Universal range

A

WQV 2.5



WQV 4



WQV 6



Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
5-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
15-pin	
20-pin	
32-pin	
Note	

32			
Type	Qty.	Order No.	
WQV 2.5/2	50	1053660000	
WQV 2.5/3	50	1053760000	
WQV 2.5/4	50	1053860000	
WQV 2.5/5	10	1053960000	
WQV 2.5/6	10	1054060000	
WQV 2.5/7	10	1054160000	
WQV 2.5/8	10	1054260000	
WQV 2.5/9	10	1054360000	
WQV 2.5/10	20	1054460000	
WQV 2.5/15	10	1059660000	
WQV 2.5/20	10	1577570000	
WQV 2.5/32	10	1577600000	

41			
Type	Qty.	Order No.	
WQV 4/2	50	1051960000	
WQV 4/3	50	1054560000	
WQV 4/4	50	1054660000	
WQV 4/5	10	1057860000	
WQV 4/6	10	1057160000	
WQV 4/7	10	1057260000	
WQV 4/10	20	1052060000	

57			
Type	Qty.	Order No.	
WQV 6/2	50	1052360000	
WQV 6/3	50	1054760000	
WQV 6/4	50	1054860000	
WQV 6/5	50	1062660000	
WQV 6/6	50	1062670000	
WQV 6/7	50	1062680000	
WQV 6/10	20	1052260000	

WQV 35N



WQV 50N



WQV 70N



Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
5-pin	
5-pin	
6-pin	
7-pin	
8-pin	
9-pin	
10-pin	
15-pin	
20-pin	
32-pin	
Note	

125			
Type	Qty.	Order No.	
WQV 35N/2	20	1079200000	
WQV 35N/3	20	1079300000	
WQV 35N/4	20	1079400000	

150			
Type	Qty.	Order No.	
WQV 50N/2	5	1834060000	
WQV 50N/3	5	1834070000	
WQV 50N/4	5	1834080000	
WQV 50N/5	5	2004960000	
WQV 50N/5/3/1	5	1469080000	

192			
Type	Qty.	Order No.	
WQV 70N/2	5	9512240000	
WQV 70N/3	5	9512250000	
WQV 70N/4	5	9531290000	
WQV 70N/5	5	2004950000	
WQV 70N/5/3/1	5	1393020000	

WQV 10



57		
Type	Qty.	Order No.
WQV 10/2	50	1052560000
WQV 10/3	50	1054960000
WQV 10/4	50	1055060000
WQV 10/10	20	1052460000

WQV 16



101		
Type	Qty.	Order No.
WQV 16/2	50	1053260000
WQV 16/3	50	1055160000
WQV 16/4	50	1055260000
WQV 16/10	10	1053360000

WQV 16N



101		
Type	Qty.	Order No.
WQV 16N/2	50	1636560000
WQV 16N/3	50	1636570000
WQV 16N/4	50	1636580000

WQV 35



138		
Type	Qty.	Order No.
WQV 35/2	50	1053060000
WQV 35/3	50	1055360000
WQV 35/4	50	1055460000
WQV 35/10	10	1053160000

WQV 70/95



232		
Type	Qty.	Order No.
WQV 70/95/2	5	1063500000
WQV 70/95/3	5	1063600000

WQV 95N/120N



269		
Type	Qty.	Order No.
WQV 95N/120N/2	5	1826890000
WQV 95N/120N/3	5	1826900000
WQV 95N/120N/4	5	1826910000
WQV 95N/120N/5/3/1	5	1469090000

WQV 120



269		
Type	Qty.	Order No.
WQV 120/2	5	1063300000
WQV 120/3	5	1063400000



Screw connection with clamping-yoke technology (W-Series)  
Accessories - Potential distribution

Universal range

A

Screwable QV

Q AKZ 4 SS



Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
10-pin	
20-pin	
Note	

20		
Type	Qty.	Order No.
Q 2 AKZ4SS	50	0369000000
Q 10 AKZ4SS	20	0369300000
Note		

Q / DLI



20		
Type	Qty.	Order No.
Q 2 DLI	50	1312500000
Q 3 DLI	50	1312600000
Q 4 DLI	50	1312700000
Q 10 DLI	20	1313100000
Q 20 DLI	20	1399800000
Note		

Q AKZ 1.5



24		
Type	Qty.	Order No.
Q 2 AKZ1.5	50	0368200000
Q 3 AKZ1.5	50	0368300000
Q 4 AKZ1.5	50	0368400000
Q 10 AKZ1.5	20	0368500000
Note		

Screwable QV

Q AKZ 4



Technical data	
current	A
Ordering data	
2-pin	
3-pin	
4-pin	
10-pin	
20-pin	
Note	

32		
Type	Qty.	Order No.
Q 2 AKZ4	50	0336400000
Q 3 AKZ4	50	0336500000
Q 4 AKZ4	50	0336600000
Q 10 AKZ4	20	0368600000
Note		

Q / WDL



24		
Type	Qty.	Order No.
Q 2 WDL2.5S	50	1071500000
Q 3 WDL2.5S	50	1071600000
Q 4 WDL2.5S	50	1071700000
Q 10 WDL2.5S	20	1071800000
Q 20 WDL2.5S	20	1074200000
Note		

Potential supply with cross-section reduction

Feed-in via output terminal

WDU 35

onto WDU 10



Technical data	
Rated current	A
Internal thread	-
Tightening torque	-
Ordering data	
2-pin	
3-pin	
Note	

to WDU 35	to WDU 10	
57		
0.6...1.2		
Type	Qty.	Order No.
WQV 35-10	10	1068000000
Note		

WDU 35

onto WDU 2.5



to WDU 35	to WDU 10	
41		
0.4...0.8		
Type	Qty.	Order No.
WQV 35-2.5	10	1064100000
Note		

WQV 70N-35



Type	Qty.	Order No.
WQV 70N-35	5	2462540000
Note		

Feed-in via output terminal

**WDU 16**

WDU 2.5



to WDU 16	to WDU 2.5
76	

Type	Qty.	Order No.
WQV 16-2.5	10	1063900000

Technical data	
Rated current	A
Internal thread	-
Tightening torque	-
Ordering data	
	2-pin
	3-pin
Note	

**WDU 16N**

WDU 2.5



to WDU 16	to WDU 2.5

Type	Qty.	Order No.
WQV 16N-2.5	10	1073100000

**WDU 16N**

WDU 4 / WDU 6



to WDU 16N	to WDU 4 / 6
57	

Type	Qty.	Order No.
WQV 16N-4/6	10	1072500000

Feed-in via output terminal

**WDU 10**

WDU 2.5



to WDU 10	to WDU 2.5

Type	Qty.	Order No.
Q WDU10-2.5 SET	10	1859620000

Technical data	
Rated current	-
Internal thread	-
Tightening torque	-
Ordering data	
	2-pin
	3-pin
Note	

**WDU 6**

WDU 2.5



to WDU 6	to WDU 2.5

Type	Qty.	Order No.
Q WDU6-2.5 SET	10	1859600000

**Note**

Cross-connectors reducing the cross-section may not be used in ATEX applications.

Feed-in via output terminal

**WDU 10**

WDU 4



to WDU 10	to WDU 4

Type	Qty.	Order No.
Q WDU 10-4 SET	10	1859610000

Technical data	
Rated current	A
Internal thread	-
Tightening torque	-
Ordering data	
	2-pin
Note	

**WDU 35**

WDU 4 / WDU 6



to WDU 35	to WDU 4 / 6

Type	Qty.	Order No.
WQV 35-4/6	10	1064200000

**WDU 16**

WDU 4 / WDU 6



to WDU 16	to WDU 4 / 6

Type	Qty.	Order No.
WQV 16-4/6	10	1064000000



Screw connection with clamping-yoke technology (W-Series)  
Accessories - Testing / checking

Universal range

A

Test adapter

WTA 1



Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pin
	with snap-in pegs
	10-pin
Note	

5 / / 66.1		
6		
IEC	UL	CSA
250	0	
6	0	
1.5	LEER	
Type	Qty.	Order No.
WTA 1 WDU1.5	25	1632290000
WTA 1/ZA WDU1.5	25	1632300000

WTA 2



5 / / 66.1		
6		
IEC	UL	CSA
250	0	
6	0	
1.5	LEER	
Type	Qty.	Order No.
WTA 2 WDU2.5-10	25	1632320000
WTA 2/ZA WDU2.5-10	25	1632330000
WTA 2/10 WDU2.5/10	5	1632340000

WTA 3



6 / / 66.1		
6		
IEC	UL	CSA
250	0	
6	0	
1.5	LEER	
Type	Qty.	Order No.
WTA 3 WDU4	25	1632350000
WTA 3/ZA WDU4	25	1632360000

Test adapter

WTA 6



Dimensions	
Width / Length / Height	mm
Stripping length	mm
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Ordering data	
	1-pin
	with snap-in pegs
	10-pin
Note	

5 / / 66.1		
6		
IEC	UL	CSA
250	0	
6	0	
1.5	LEER	
Type	Qty.	Order No.
WTA 6 WTR2.5	25	1632380000
WTA 6/ZA WTR2.5	25	1632390000

WTA 7



6 / / 68.15		
6		
IEC	UL	CSA
250	0	
6	0	
1.5	LEER	
Type	Qty.	Order No.
WTA 7 WSI6	25	1650210000



### WTA 4N



5 / 55		
6		
IEC	UL	CSA
250	0	
6	0	
1.5	LEER	
0.5...1.5		
1...1.5 / 0.5...1.5		
Type	Qty.	Order No.
WTA 4N WDK 2.5	25	1878660000
WTA 4N/ZA WDK 2.5	25	1879350000

### WTA 5



5 / 17		
8		
IEC	UL	CSA
250	0	
6	0	
0.75	LEER	
0.5...1		
1...1 / 0.5...1		
Type	Qty.	Order No.
WTA 5/1	25	1051260000
WTA 5/10	5	1062060000

### Test adapter

Dimensions	
Width / Length / Height	mm
Stripping length	-
Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	-
Ordering data	
	beige
	green
Note	

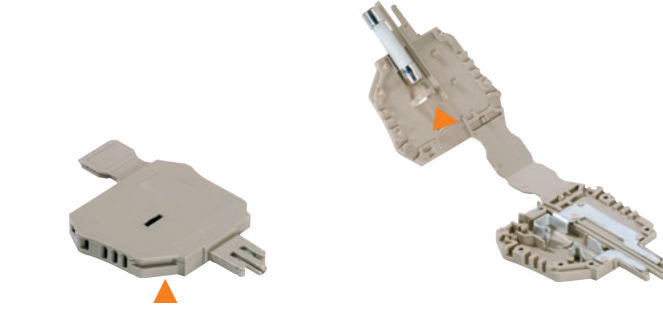
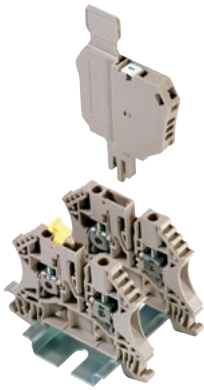
### WTA 8



6 / 39		
IEC	UL	CSA
205	0	
6	0	
1.5	LEER	
0.5...2.5		
Type	Qty.	Order No.
WTA 8 TN	25	1915450000
WTA 8 KO-TN	25	1915480000



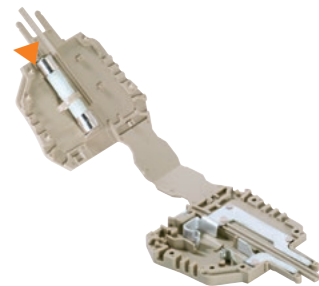
SIHA fuse holder



1. Open fuse holder with fingers or screwdriver



2. Press out old fuse



3. Position new fuse



4. Press fuse holder together again

For 5x20 G-fuse cartridges

The SIHA fuse holder turns a test disconnect terminal into a fuse terminal in seconds: Simply remove the isolating lever and insert the fuse plug

- Simple handling – no tools required
- Housing made of Wemid (VO)
- Rated current 6.3 A
- 1.6 W power loss to DIN VDE 0611-6 at 23 °C ambient temperature (also for 1.5 times rated current – composite arrangement)
- Even fits on 5 mm wide terminals when fitted in offset arrangement
- Marking position for Dekafix 5 and space for self-adhesive label size 8/20

SIHA 1



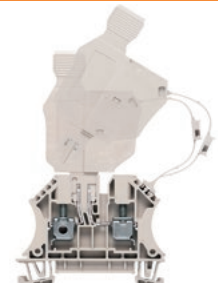
without LED		Qty.	Order No.
SIHA1/G20	400 V	1	9537550000
with LED (rot)			
SIHA1/G20	10 - 36 V	1	9537560000

SIHA 3



without LED		Qty.	Order No.
SIHA3/G20	400 V	1	7921560000
with LED (rot)			
SIHA3/G20	10 - 36 V	1	7921570000
	35 - 70 V	1	7921580000
	60 - 150 V	1	7921590000
	140 - 250 V	1	7921600000

SIHA STRAP



with strap		Qty.	Order No.
SIHA STRAP		20	9537680000



For test-disconnect terminal versions	
WTR 2.5/ZZ	

For test-disconnect terminal versions	
WTR 4	
WTR 4/ZZ	
WTR 4/ZR	
WTR 2,5	

Connector for "retro-fit" assembly	
• Receptacle in the terminal is the marking position	
• Integrated marking position on the strap	
• Slots into fuse holder either left or right	

### PEN bridges

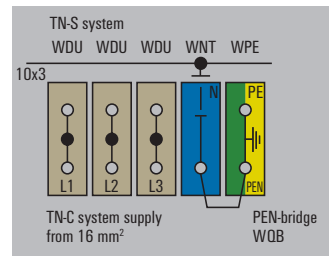
Energy distribution for machines or in buildings usually consists of 5-conductor systems (TN-S). By contrast, energy supply mains are frequently rated as 4-conductor connection. A PEN bridge joins separate PE and N conductors into one PEN conductor, creating the transition from a TN-S to a TN-C system.

#### Standard installation

Depending on the terminal type, inside or outside, PEN bridges are available for both PE and N conductor terminals from 10 mm<sup>2</sup>. **Important!** For outside bridges, please note that in this context only the next smaller rated cross-section (than standard) can be connected.

#### Building installation with N-conductor isolation

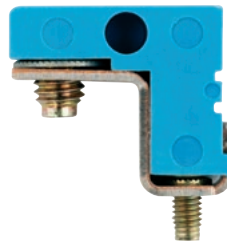
Special external cross-connections (WQB-PEN) are available for neutral conductor test-disconnect terminals (WNT). These establish contact between the NT and PE terminals. This results in an earthed neutral conductor with protection function in three-phase systems.



### External PEN bridge



### Inside PEN bridge



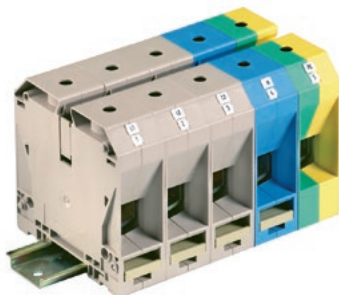
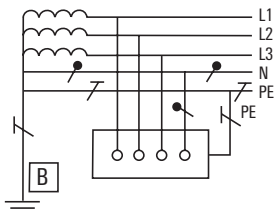
### WQB-PEN ...

Type	Qty	Order No.	For terminal
<b>with standard terminals</b>			
WQB-PEN 10	10	1060300000	WPE 10 WDU 10 BL
WQB-PEN 16	10	1060200000	WPE 16 WDU 16 BL
WQB-PEN 35	10	1060100000	WPE 35 WDU 35 BL
<b>with compact terminals</b>			
WQB-PEN 16N	10	1079600000	WNT 16N WPE 16N
WQB-PEN 35N	10	1079500000	WNT 35N WPE 35N
WQB-PEN 70N	10	1079700000	WNT 70N WPE 70N

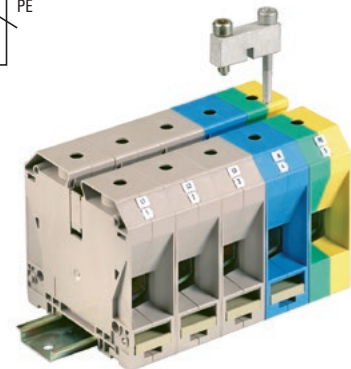
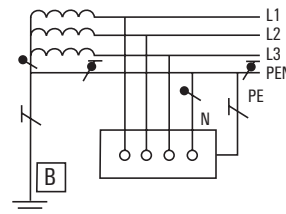
### WQV ... -PEN

Typ	Qty	Order No.	For terminal
WQV 16N-PEN	10	1071360000	WPE 16N WDU 16N BL
WQV 70N-PEN	5	9525840000	WPE 70N WDU 70N BL
WQV 70/95-PEN	5	1072300000	WPE 70/95 WDU 70/95 BL
WQV 120-PEN	5	1072400000	WPE 120/150 WDU 120/150 BL
WQV 50N-PEN		9201610000	WPE 50N WDU 50N
WQV 95N/120N-PEN		9201630000	WPE 95N/120N WDU 95N/120N

### TN-S system:



### TN-C system:



## Robust connection for harsh conditions

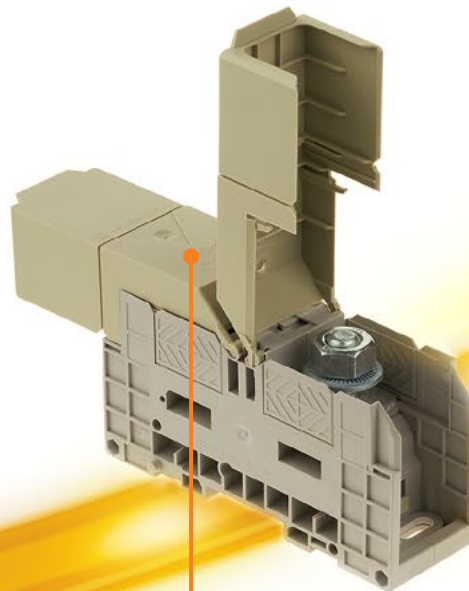
Klippon® Connect offers maintenance-free contacts using stud technology

Whether it is the supply of high power levels to engines, quick and safe coupling of carriages, energy distribution in the carriages and parts thereof, traffic engineering in general, and high-speed trains especially, all pose real challenges for connectivity. For reliable power transfer in these challenging conditions, we offer series WF, WFF and ST 400 stud terminals. With crimped cable lugs, the conductors are laid on the threaded pins and securely connected together by tightening the hex nut to the required torque. The robust processing guarantees the ultimate in safety.



### Our promise

Our stud terminals are an established, robust connection alternative for particularly harsh environments. The extensive accessories and quality workmanship ensure high productivity in planning and installation – and sustainable safety in operation.



### Safety

- Safe operation is guaranteed thanks to cover profiles or the snap-on and screwable hinged hoods
- All materials comply with the fire safety regulations found in DIN EN 45545
- All stud terminals are tested in line with the railway standards and made of self-extinguishing material

**Time saving**

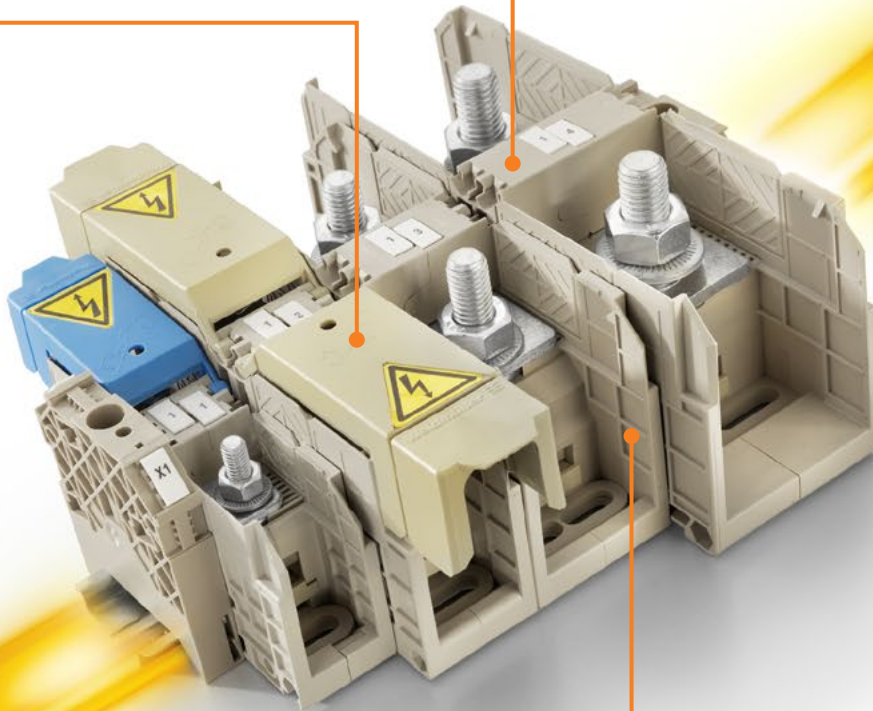
- Extensive accessories
- Quick installation

**Flexibility**

- Designed for voltage ranges up to 4,000 V and currents up to 415 A
- Simple to use: all that is required is one torque wrench
- Extensive portfolio of one and two stud terminals

**Space saving**

- Up to two cable lugs can be connected for each stud

**Overview**

In all applications where reliable power transfer is key, our stud terminals are the safe solution.

**Clever operating concept:**

The WF and WFF stud terminal series are available as single and two-stud terminals. The option of a built-in folding hinged hood gives the two-stud terminals in the WFF-Series a particularly high level of safety.

**Robust and high performance:**

The ST 400 stud terminals, made of glass-fibre reinforced, flame resistant artificial resin for operating voltages of up to 4 kV, are specially designed for use on rail vehicles and tested to meet railway standards. They are perfect for applications with high requirements in terms of vibration and shock resistance.



# Stud terminals

## Power transmission

The comprehensive range of stud terminals ensures secure connections for all power transmission applications. Connections range from 10 mm<sup>2</sup> to 300 mm<sup>2</sup>.

The connectors are attached to the threaded pins using crimped cable lugs and each connection is secured by tightening the hexagon nut. Stud terminals with threaded pins from M5 to M16 can be used according to the wire cross-section.

All stud terminals are tested to international standards (**EN 60947-7-1, EN 50124-1, DIN EN 61373, EN 50343, DIN EN 45545-2, NFF 61-017**) and satisfy the requirements contained therein.

## Handling

Cable lugs are crimped onto the cable lugs to connect the connectors. The cable lugs are placed between the washer on the clamp support and the lock washer on the bolt of the WF terminal. With the WFF stud terminals, the cable lugs contact directly to the current bar. Tightening the hexagon nut causes the cable lugs' flaps to press against one another – thereby creating a secure contact.

## WF / WFF series

- For voltage ranges up to 1000 V
- For use with special epoxy resin partition plates even up to 2,300 V and 520 A

## WF single-stud terminals

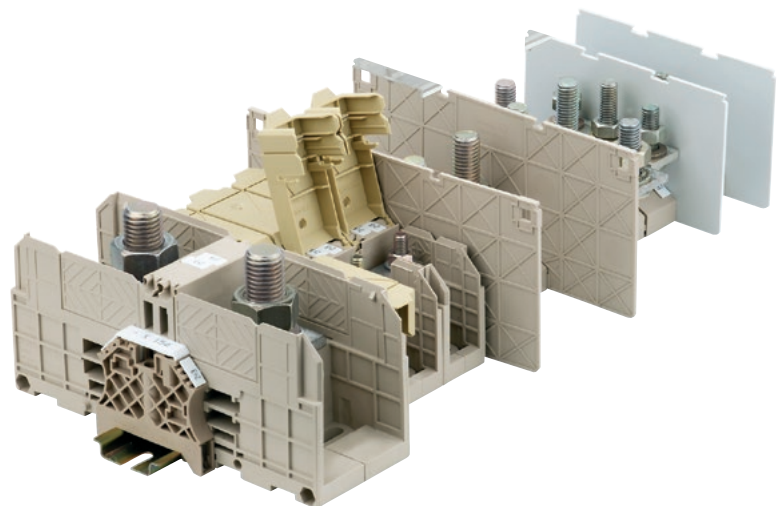
- Four connectors can be securely connected without a problem
- Three connectors even without compromising the rated data

## WFF two-bolt terminals

- Two connectors can be reliably connected

## Accessories

We offer an extensive range of accessories for our stud terminals. A detailed description is available on the accessory overview pages.



## product overview

size of thread	M5	M6	M8	M10	M12	M16
single-stud terminals - WF	•	•	•	•	•	
twin-stud terminals - WF 2 BZ		•	•	•		
twin-stud terminals - WFF		•	•	•	•	•
twin-stud terminals - ST 4000 (up to 4000 V)			•	•	•	

### Stud connection

- Stud size M5 to M16
- Connector with cable lug according to DIN 46234 up to 240 mm<sup>2</sup> and DIN 46235 up to 300 mm<sup>2</sup>



### Cross-connections

- Saves a great deal of time through fast potential distribution
- Can be used for all stud terminals
- 2, 3 and 4-pin variations available
- Potential distribution between different sizes possible (from WF6 to WF8 and to WF10)



### Simple operation

- The cable lugs are placed on the bolt using the washer
- The lock washer is placed on top
- A secure contact is established between the cable lugs by tightening the steel nuts

### Clamp supports made of Wemid

- Non-tracking CTI 600
- Temperature-resistant up to 130°C
- Self-extinguishing V0 according to UL94
- Non-toxic
- No smoke emission in the event of fire
- Complies with the requirements set out in DIN EN 45545-2

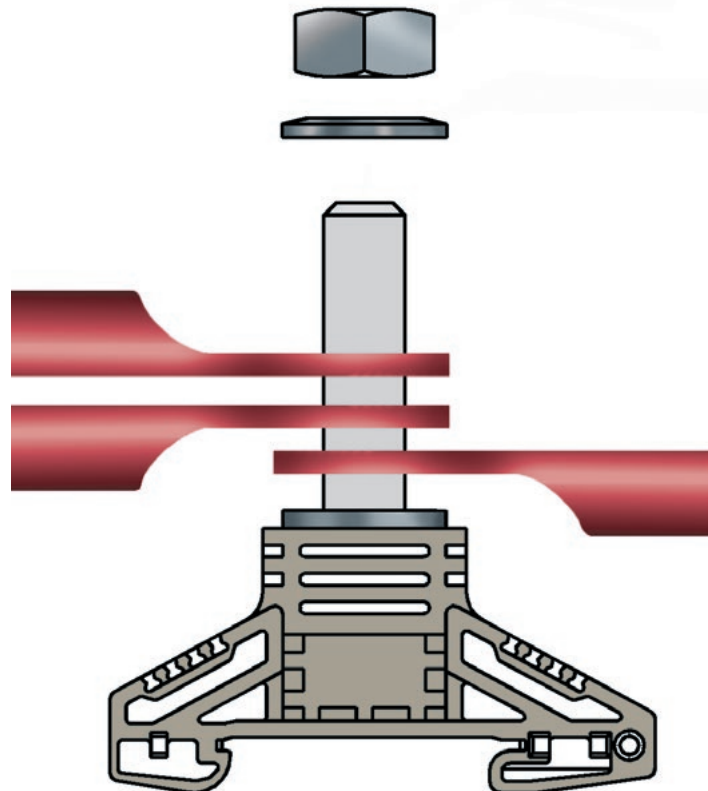
### Contact security

- Maintenance-free, no tightening of the nut necessary
- Resistant to vibrations and high contact force through lock washer

### Safe operation

Touch-safe protection

- In the case of WF, through partition plates and transparent cover profiles
- In the case of WFF, with a lockable cover hood for each connection



**Screw connection with stud technology**  
**Feed-through terminal blocks**

Universal range

A

**WF 5** **16 mm<sup>2</sup>**

Screw thread M5



**WF 5 NFF** **16 mm<sup>2</sup>**

Screw thread M5



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

13 x 67 x 54.5
<b>76 / 16</b>
<b>0.1...16</b>

13 x 67 x 54.5
<b>76 / 16</b>
<b>0.1...16</b>

**Technical data**

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234	
2 x cable lugs DIN 46 234	
Cable lug to DIN 46235	
2 x cable lugs DIN 46 235	
Tightening torque (clamping screw for copper conductors)	
Note	

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
76	85	85	
16	AWG 10...4	AWG 10...4	
8 kV / 3			
/ V-0			
0.1...16 mm <sup>2</sup>			
0.1...16 mm <sup>2</sup>			
6...10 mm <sup>2</sup>			
6...10 mm <sup>2</sup>			
2...4 Nm /			
1000V UL and CSA for usage groups B and C can be used with isolating terminal rails and when using WTW WF6 1781220000 partitions.			

IEC	UL	CSA	EN 60079-7
1000			
76			
16			
8 kV / 3			
/ V-0			
0.1...16 mm <sup>2</sup>			
6...10 mm <sup>2</sup>			
3.7...4.5 Nm /			

**Ordering data**

Version	dark beige
Note	

Type	Qty.	Order No.
WF 5	25	<b>1790130000</b>
1000 V DC rated voltage passed with the WTW WF6 1781220000 partition plate.		

Type	Qty.	Order No.
WF 5 NFF	25	<b>1968990000</b>

**Accessories**

Cross-connection	2-pole
	3-pole
	4-pole
Auxiliary/control connection	up to 4 mm <sup>2</sup> , 32 A
Partition plate	dark beige
	Beige epoxy resin
	dark beige
End bracket	dark beige
Hood transparent	Hood transparent 1000 mm
Holder for shrouding cover transparent	Holder for shrouding cover, transparent
Busbar	
Identification systems	

Type	current	Qty.	Order No.
WQL 2 WF5	101 A	5	<b>1812710000</b>
WQL 3 WF5		5	<b>1812740000</b>
WTW WF6		20	<b>1781220000</b>
WTW WF6 2300		20	<b>1781230000</b>
WTW WF6-WF12		20	<b>1781240000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF6/WF8		1	<b>1780930000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

Type	current	Qty.	Order No.
WQL 2 WF5	101 A	5	<b>1812710000</b>
WQL 3 WF5		5	<b>1812740000</b>
WTW WF6		20	<b>1781220000</b>
WTW WF6 2300		20	<b>1781230000</b>
WTW WF6-WF12		20	<b>1781240000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF6/WF8		1	<b>1780930000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

For detailed information on other accessories and application in the online catalogue

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1



**WF 6**

**35 mm<sup>2</sup>**

Screw thread M6



17.8 x 67 x 54.5  
**125 / 35**  
**2.5...35**

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
125	115	150	
35	AWG 14...2	AWG 14...2	
8 kV / 3 / V-0			



2.5...35 mm<sup>2</sup>  
2.5...35 mm<sup>2</sup>  
6...25 mm<sup>2</sup>  
6...25 mm<sup>2</sup>  
3...6 Nm /

1000 V UL and CSA for usage groups B and C; can be used with isolating terminal rails and when using WTW-type partitions.

Type	Qty.	Order No.
WF 6	25	<b>1780850000</b>
1000 VDC rated voltage tested.		

Type	current	Qty.	Order No.
WQL 2 WF6	125 A	5	<b>1780970000</b>
WQL 3 WF6	125 A	5	<b>1780980000</b>
WZAF 35		10	<b>1070500000</b>
WTW WF6		20	<b>1781220000</b>
WTW WF6 2300		20	<b>1781230000</b>
WTW WF6-WF12		20	<b>1781240000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF6/WF8		1	<b>1780930000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 10/6 MC NE WS		600	<b>1828450000</b>

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

**WF 6 NFF**

**35 mm<sup>2</sup>**

Screw thread M6



17.8 x 67 x 54.5  
**125 / 35**  
**2.5...35**

IEC	UL	CSA	EN 60079-7
1000			
125			
35			
8 kV / 3 / V-0			



2.5...35 mm<sup>2</sup>  
6...35 mm<sup>2</sup>  
5.8...7 Nm /

Type	Qty.	Order No.
WF 6 NFF	25	<b>1969000000</b>

Type	current	Qty.	Order No.
WQL 2 WF6	125 A	5	<b>1780970000</b>
WQL 3 WF6	125 A	5	<b>1780980000</b>
WZAF 35		10	<b>1070500000</b>
WTW WF6		20	<b>1781220000</b>
WTW WF6 2300		20	<b>1781230000</b>
WTW WF6-WF12		20	<b>1781240000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF6/WF8		1	<b>1780930000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

**WF 8**

**50 mm<sup>2</sup>**

Screw thread M8



22.8 x 67 x 63.5  
**150 / 50**  
**2.5...50**

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
150	150	200	
50	AWG 14...0	AWG 14...0	
8 kV / 3 / V-0			



2.5...50 mm<sup>2</sup>  
2.5...50 mm<sup>2</sup>  
6...35 mm<sup>2</sup>  
6...35 mm<sup>2</sup>  
6...12 Nm /

The WQL 2 for WF 6 on the WF 8 is available under Order no. 1808980000.

Type	Qty.	Order No.
WF 8	25	<b>1780860000</b>
1000 V UL and CSA for usage groups B and C; can be used with isolating DIN rails and when using WTW-type partitions.		

Type	current	Qty.	Order No.
WQL 2 WF8	150 A	5	<b>1780990000</b>
WQL 3 WF8	150 A	5	<b>1781000000</b>
WZAF 70		10	<b>1066200000</b>
WTW WF8		20	<b>1780900000</b>
WTW WF8 2300		20	<b>1780910000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF6/WF8		1	<b>1780930000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 10/6 MC NE WS		600	<b>1828450000</b>

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1



**Screw connection with stud technology**  
**Feed-through terminal blocks**

**UL Daten fehlen**

**WF 8 NFF**

**50 mm<sup>2</sup>**

Screw thread M8



**WF 10**

**120 mm<sup>2</sup>**

Screw thread M10



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

22.8 x 67 x 63.5
<b>150 / 50</b>
<b>2.5...50</b>

33.8 x 67 x 72.5
<b>269 / 120</b>
<b>6...120</b>

**Technical data**

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234	
2 x cable lugs DIN 46 234	
Cable lug to DIN 46235	
2 x cable lugs DIN 46 235	
Tightening torque (clamping screw for copper conductors)	

IEC	UL	CSA	EN 60079-7
1000			
150			
50			
		8 kV / 3	
		/V-0	
EH			
2.5...50 mm <sup>2</sup>			
6...35 mm <sup>2</sup>			
15...18 Nm /			

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	255	320	
120	AWG 10...250	AWG 10...250	
		8 kV / 3	
		/V-0	
CE eURus EH KEUR			
6...120 mm <sup>2</sup>			
6...120 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
10...20 Nm /			

The WQL 2 for WF 6 on the WF 10 is available under Order no. 1806620000.

**Note**

**Ordering data**

Version	
	dark beige
Note	

Type	Qty.	Order No.
WF 8 NFF	25	<b>1968960000</b>

Type	Qty.	Order No.
WF 10	20	<b>1780870000</b>

1000 V UL and CSA for use groups B and C; can be used with isolating DIN rails and when using WTW-type partitions.

**Accessories**

Cross-connection	
	2-pole
	3-pole
	4-pole
Auxiliary/control connection	
	up to 4 mm <sup>2</sup> , 32 A
Partition plate	
	dark beige
	Beige epoxy resin
	dark beige
End bracket	
	dark beige
Hood transparent	
	Hood transparent 1000 mm
Holder for shrouding cover transparent	
	Holder for shrouding cover, transparent
Busbar	
Identification systems	

Type	current	Qty.	Order No.
WQL 2 WF8	150 A	5	<b>1780990000</b>
WQL 3 WF8	150 A	5	<b>1781000000</b>
WZAF 70			
		10	<b>1066200000</b>
WTW WF8			
		20	<b>1780900000</b>
WTW WF8 2300			
		20	<b>1780910000</b>
WEW 35/2			
		100	<b>1061200000</b>
ADP WF6/WF8			
		1	<b>1780930000</b>
HA ADP WF6/WF10			
		10	<b>1781050000</b>
WS 15/5 MC NE WS			
		480	<b>1609880000</b>
DEK 5/6 MC NE WS			
		1000	<b>1609820000</b>

Type	current	Qty.	Order No.
WQL 2 WF10	265 A	5	<b>1781010000</b>
WQL 3 WF10	265 A	5	<b>1781020000</b>
WQL 4 WF10		5	<b>1027840000</b>
WZAF 120			
		10	<b>1066300000</b>
WTW WF10/WF12			
		20	<b>1780890000</b>
WTW WF10/WF12 2300			
		20	<b>1780920000</b>
WEW 35/2			
		100	<b>1061200000</b>
ADP WF10/WF12			
		1	<b>1780940000</b>
HA ADP WF6/WF10			
		10	<b>1781050000</b>
WS 10/6 MC NE WS			
		600	<b>1828450000</b>

For detailed information on other accessories and application in the online catalogue

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

**WF 10 NFF**

**120 mm<sup>2</sup>**

Screw thread M10



33.8 x 67 x 72.5  
**269 / 120**  
**6...120**

IEC	UL	CSA	EN 60079-7
1000			
269			
120			
	8 kV / 3		
	/V-0		
EAC			
6...120 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
30...36 Nm /			
The WQL 2, for WF 6 on WF 10, is available under order no. 180662000.			

Type	Qty.	Order No.
WF 10 NFF	20	<b>1968950000</b>

Type	current	Qty.	Order No.
WQL 2 WF10	265 A	5	<b>1781010000</b>
WQL 3 WF10	265 A	5	<b>1781020000</b>
WQL 4 WF10		5	<b>1027840000</b>
WZAF 120		10	<b>1066300000</b>
WTW WF10/WF12		20	<b>1780890000</b>
WTW WF10/WF12 2300		20	<b>1780920000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF10/WF12		1	<b>1780940000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
SMSE WF10/2XM6		10	<b>1868880000</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

**WF 12**

**120 mm<sup>2</sup>**

Screw thread M12



33.8 x 67 x 70.5  
**269 / 120**  
**6...120**

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	255	320	
120	AWG 10...250	AWG 10...250	
	8 kV / 3		
	/V-0		
CE ENEC KEMA			
6...120 mm <sup>2</sup>			
6...120 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
14...31 Nm /			

Type	Qty.	Order No.
WF 12	20	<b>1780880000</b>

1000 V UL and CSA for use groups B and C. can be used with isolating DIN rails and when using WTW-type partitions.

Type	current	Qty.	Order No.
WQL 2 WF12	265 A	5	<b>1781030000</b>
WQL 3 WF12	265 A	5	<b>1781040000</b>
WZAF 185		10	<b>1066400000</b>
WTW WF10/WF12		20	<b>1780890000</b>
WTW WF10/WF12 2300		20	<b>1780920000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF10/WF12		1	<b>1780940000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 10/6 MC NE WS		600	<b>1828450000</b>

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1

**WF 12 NFF**

**120 mm<sup>2</sup>**

Screw thread M12



33.8 x 67 x 70.5  
**269 / 120**  
**6...120**

IEC	UL	CSA	EN 60079-7
1000			
269			
120			
	8 kV / 3		
	/V-0		
EAC			
6...120 mm <sup>2</sup>			
10...95 mm <sup>2</sup>			
50...60 Nm /			

Type	Qty.	Order No.
WF 12 NFF	20	<b>1968940000</b>

Type	current	Qty.	Order No.
WQL 2 WF12	265 A	5	<b>1781030000</b>
WQL 3 WF12	265 A	5	<b>1781040000</b>
WZAF 185		10	<b>1066400000</b>
WTW WF10/WF12		20	<b>1780890000</b>
WTW WF10/WF12 2300		20	<b>1780920000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF10/WF12		1	<b>1780940000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
SMSE WF10/2XM6		10	<b>1868880000</b>
WS 15/5 MC NE WS		480	<b>1609880000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

With WTW...2300 made from epoxy resin, rated current is 2300 V according to DIN EN 50124-1



**Screw connection with stud technology**  
**Feed-through terminal blocks**

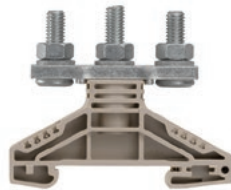
Universal range

**A**

**WF 6/2BZ**

**35 mm<sup>2</sup>**

Screw thread M6



**WF 8/2BZ**

**50 mm<sup>2</sup>**

Screw thread M8



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

17.8 x 67 x 54.5
<b>125 / 35</b>
<b>2.5...35</b>

22.8 x 67 x 63.5
<b>150 / 50</b>
<b>2.5...50</b>

**Technical data**

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
125	115	115	
35	AWG 2	AWG 26...12	
8 kV / 3			
/ V-0			

IEC	UL	CSA	EN 60079-7
1000	1000	1000	
150	150	150	
50	AWG 0	AWG 26...12	
8 kV / 3			
/ V-0			

Clamped cable lugs	
Cable lug to DIN 46234	
2 x cable lugs DIN 46 234	
Cable lug to DIN 46235	
2 x cable lugs DIN 46 235	
Tightening torque (clamping screw for copper conductors)	

Clamped cable lugs	
Cable lug to DIN 46234	
2 x cable lugs DIN 46 234	
Cable lug to DIN 46235	
2 x cable lugs DIN 46 235	
Tightening torque (clamping screw for copper conductors)	

Clamped cable lugs	
Cable lug to DIN 46234	
2 x cable lugs DIN 46 234	
Cable lug to DIN 46235	
2 x cable lugs DIN 46 235	
Tightening torque (clamping screw for copper conductors)	

**Note**

1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

**Ordering data**

Version	
	dark beige
<b>Note</b>	

Type	Qty.	Order No.
WF 6/2BZ	25	<b>1789770000</b>
1000 VDC rated voltage tested.		

Type	Qty.	Order No.
WF 8/2BZ	25	<b>1789780000</b>
1000 VDC rated voltage tested.		

**Accessories**

Cross-connection	
	2-pole
	3-pole
Auxiliary/control connection	
	up to 4 mm <sup>2</sup> , 32 A
Partition plate	
	dark beige
	Beige epoxy resin
End bracket	
	dark beige
Hood transparent	
	Hood transparent 1000 mm
Holder for shrouding cover transparent	
	Holder for shrouding cover, transparent
Identification systems	

Type	current	Qty.	Order No.
WQL 2 WF6	125 A	5	<b>1780970000</b>
WQL 3 WF6	125 A	5	<b>1780980000</b>
WZAF 35		10	<b>1070500000</b>
WTW WF10/WF12		20	<b>1780890000</b>
WTW WF6 2300		20	<b>1781230000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF10/WF12		1	<b>1780940000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

Type	current	Qty.	Order No.
WQL 2 WF8	150 A	5	<b>1780990000</b>
WQL 3 WF8	150 A	5	<b>1781000000</b>
WZAF 70		10	<b>1066200000</b>
WTW WF10/WF12		20	<b>1780890000</b>
WTW WF8 2300		20	<b>1780910000</b>
WEW 35/2		100	<b>1061200000</b>
ADP WF10/WF12		1	<b>1780940000</b>
HA ADP WF6/WF10		10	<b>1781050000</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

For detailed information on other accessories and application in the online catalogue

With WTW...2300 made from epoxy resin, rated current 2300 V according to DIN EN 50124 pt 1

With WTW...2300 made from epoxy resin, rated current 2300 V according to DIN EN 50124 pt 1

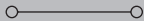
**WF 10/2BZ**

**120 mm<sup>2</sup>**

Screw thread M10



33.8 x 87.6 x 72.5  
269 / 120  
6...120



IEC	UL	CSA	EN 60079-7
1000	1000	1000	
269	230	230	
120	AWG 0	AWG 26...12	
8 kV / 3 / V-0			



6...120 mm<sup>2</sup>  
6...120 mm<sup>2</sup>  
10...95 mm<sup>2</sup>  
10...95 mm<sup>2</sup>

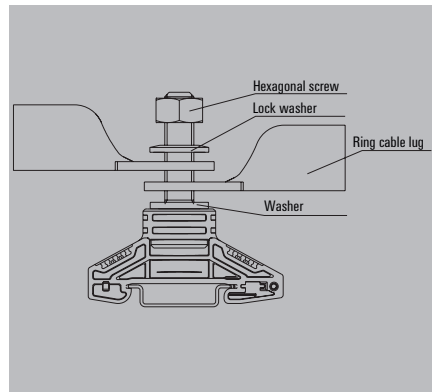
1000 V UL and CSA for usage groups B and C; can be used with isolating terminal rails and when using WTW-type partitions.

Type	Qty.	Order No.
WF 10/2BZ	10	1789790000
1000 VDC rated voltage tested.		

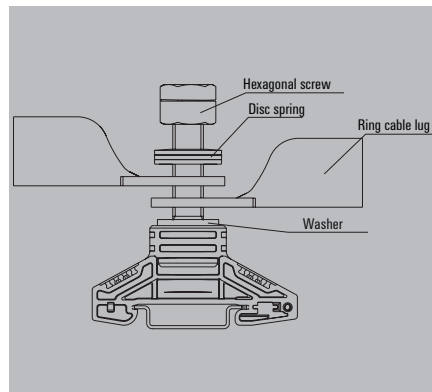
Type	current	Qty.	Order No.
WQL 2 WF10	265 A	5	1781010000
WQL 3 WF10	265 A	5	1781020000
WZAF 120		10	1066300000
WTW WF10/WF12		20	1780890000
WTW WF10/WF12 2300		20	1780920000
WEW 35/2		100	1061200000
ADP WF10/WF12		1	1780940000
HA ADP WF6/WF10		10	1781050000

With WTW...2300 made from epoxy resin, rated current 1500 V up to 70 mm<sup>2</sup> according to DIN EN 50124 pt 1

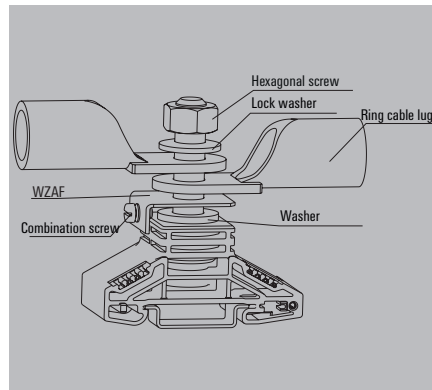
**Stud connection series WF**



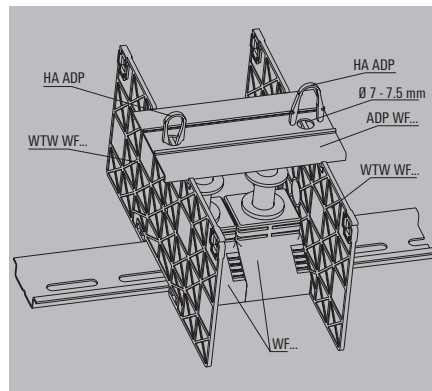
**Stud connection series WF NFF**



**Auxiliary/control line connection WZAF**



**Application example**



Structure to use cover profiles (ADP WF) on the partition plates (WTW WF) with the relevant holders (HA ADP).

Drilled holes for cover profiles 7-7.5 mm



**Screw connection with stud technology**  
**Feed-through terminal blocks**

Universal range

A

**WFF 35**

**35 mm<sup>2</sup>**

Screw thread M6



**WFF 35 NFF**

**35 mm<sup>2</sup>**

Screw thread M6



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

27 x 107 x 51
<b>150 / 50</b>
<b>2.5...50</b>

27 x 107 x 51
<b>125 / 50</b>
<b>2.5...50</b>

**Technical data**

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234 / 2 x cable lugs DIN 46 234	
Cable lug to DIN 46235 / 2 x cable lugs DIN 46 235	
Tightening torque (clamping screw for copper conductors)	
<b>Note</b>	

Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
125	115	130	109
35	AWG 14...2	AWG 14...2	35 mm <sup>2</sup>
8 kV / 3			
/ V-0			
CE      KEMA 98ATEX1684 U			
2.5...50 mm <sup>2</sup> / 2.5...35 mm <sup>2</sup>			
6...25 mm <sup>2</sup> / 6...25 mm <sup>2</sup>			
3...6 Nm /			
1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.			

IEC	UL	CSA	EN 60079-7
500			
125			
35			
/ V-0			
2.5...50 mm <sup>2</sup> /			
5.8...7 Nm /			

**Ordering data**

Version	dark beige
	dark beige
	blue
Note	

Type	Qty.	Order No.
WFF 35	10	<b>1028300000</b>
WFF 35/AH	5	<b>1029300000</b>
WFF 35 BL	10	<b>1028380000</b>
1000 VDC rated voltage tested.		

Type	Qty.	Order No.
WFF 35 NFF	5	<b>1049220000</b>

**Accessories**

Cross-connection	2-pole
	3-pole
Auxiliary/control connection	up to 4 mm <sup>2</sup> , 32 A
Partition plate	dark beige
End bracket	dark beige
Cover hood	Hood, dark beige Wemid
Identification systems	Warning triangle for power supply terminals

Type	current	Qty.	Order No.
WQL 2 WFF35	150 A	5	<b>1064900000</b>
WQL 3 WFF35	150 A	5	<b>1065400000</b>
WZAF 35		10	<b>1070500000</b>
WTW WFF35		10	<b>1067100000</b>
WEW 35/1		50	<b>1059000000</b>
WAH 35		20	<b>1064460000</b>
WD 1 25 K KARTE A 6 ST		30	<b>1563900000</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

Type	current	Qty.	Order No.
WQL 2 WFF35	150 A	5	<b>1064900000</b>
WQL 3 WFF35	150 A	5	<b>1065400000</b>
WZAF 35		10	<b>1070500000</b>
WTW WFF35		10	<b>1067100000</b>
WEW 35/1		50	<b>1059000000</b>
WAH 35		20	<b>1064460000</b>
WD 1 25 K KARTE A 6 ST		30	<b>1563900000</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

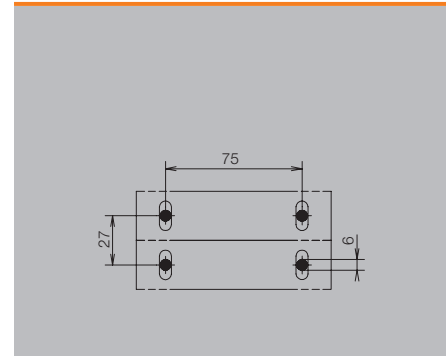
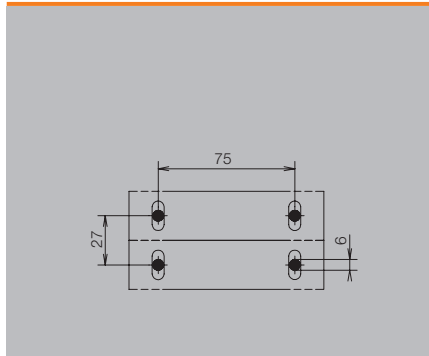
For detailed information on other accessories and application in the online catalogue

WAH 35 in blue, Order no. 1064480000

WAH 35 in blue, Order no. 1064480000

**Technical drawing**

Drilling template for direct mounting	
Fixing screw for direct mounting	Order No.
M6 x 16	<b>1063700000</b>



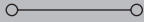
WFF 70

70 mm<sup>2</sup>

Screw thread M8



31.8 x 132 x 61  
232 / 95  
2.5...95



Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
192	175	170	167
70	AWG 14...0	AWG 14...0	70 mm <sup>2</sup>

8 kV / 3  
/ V-0

KEMA 98ATEX1684 U

2.5...95 mm<sup>2</sup> / 2.5...70 mm<sup>2</sup>  
16...70 mm<sup>2</sup> / 16...70 mm<sup>2</sup>  
6...12 Nm /

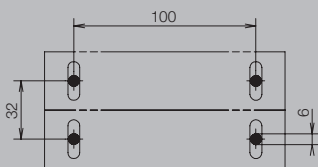
When connecting cable lugs (in accordance with DIN 46234) with 70 and 95 mm<sup>2</sup>, the rated voltage is reduced to 800 V.

Type	Qty.	Order No.
WFF 70	10	1028400000
WFF 70/AH	5	1029400000
WFF 70 BL	10	1028480000

1000 V DC rated voltage tested. 1000 V UL and CSA for usage groups B and C. can be used with isolating terminal rails and when using WTW-type partitions.

Type	current	Qty.	Order No.
WQL 2 WFF70	232 A	5	1065000000
WQL 3 WFF70	232 A	5	1065500000
WZAF 70		10	1066200000
WTW WFF70		10	1067200000
WEW 35/1		50	1059000000
WAH 70 BE		20	1064560000
WD 1 25 K KARTE A 6 ST		30	1563900000
WS 12/6.5 MC NE WS		540	1609920000

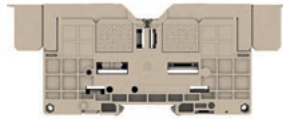
WAH 70 in blue, Order no. 1064580000



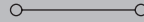
WFF 70 NFF

70 mm<sup>2</sup>

Screw thread M8



32 x 132 x 61  
192 / 95  
2.5...95



IEC	UL	CSA	EN 60079-7
500			
192			
70			

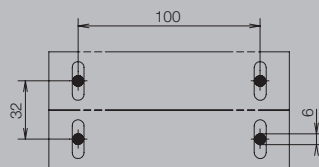
/ V-0

2.5...95 mm<sup>2</sup> /  
15...18 Nm /

Type	Qty.	Order No.
WFF 70 NFF	5	1049230000

Type	current	Qty.	Order No.
WQL 2 WFF70	232 A	5	1065000000
WQL 3 WFF70	232 A	5	1065500000
WZAF 70		10	1066200000
WTW WFF70		10	1067200000
WEW 35/1		50	1059000000
WAH 70 BE		20	1064560000
WD 1 25 K KARTE A 6 ST		30	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 70 in blue, Order no. 1064580000



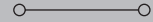
WFF 120

120 mm<sup>2</sup>

Screw thread M10



42 x 132 x 72  
309 / 150  
6...150



Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
269	310	310	234
120	AWG 10...250	AWG 10...250	120 mm <sup>2</sup>

8 kV / 3  
/ V-0

KEMA 98ATEX1684 U

6...150 mm<sup>2</sup> / 6...120 mm<sup>2</sup>  
16...150 mm<sup>2</sup> / 16...120 mm<sup>2</sup>  
10...20 Nm /

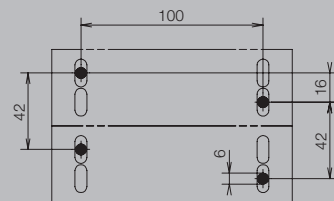
1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

Type	Qty.	Order No.
WFF 120	5	1028500000
WFF 120/AH	4	1029500000
WFF 120 BL	5	1028580000

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
WQL 2 WFF120	309 A	5	1065100000
WQL 3 WFF120	309 A	5	1065600000
WZAF 120		10	1066300000
WTW WFF120		10	1067300000
WEW 35/1		50	1059000000
WAH 120		20	1064660000
WD 1 25 K KARTE A 6 ST		30	1563900000
WS 12/6.5 MC NE WS		540	1609920000

WAH 120 in blue, order No. 1064680000



**Screw connection with stud technology**  
**Feed-through terminal blocks**

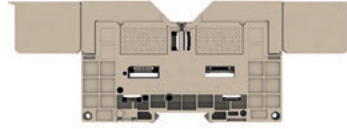
Universal range

A

**WFF 120 NFF**

120 mm<sup>2</sup>

Screw thread M10



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

42 x 132 x 72.5	
<b>269 / 150</b>	
<b>6...150</b>	

**Technical data**

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234 / 2 x cable lugs DIN 46 234	
Cable lug to DIN 46235 / 2 x cable lugs DIN 46 235	
Tightening torque (clamping screw for copper conductors)	
<b>Note</b>	

IEC	UL	CSA	EN 60079-7
500			
269			
120			
/ V-0			
6...150 mm <sup>2</sup> /			
30...36 Nm /			

**Ordering data**

Version	dark beige dark beige blue
Note	

Type	Qty.	Order No.
WFF 120 NFF	4	<b>1049240000</b>

**Accessories**

Cross-connection	2-pole 3-pole
Auxiliary/control connection	up to 4 mm <sup>2</sup> , 32 A
Partition plate	dark beige
End bracket	dark beige
Cover hood	Hood, dark beige Wemid
Identification systems	Warning triangle for power supply terminals

Type	current	Qty.	Order No.
WQL 2 WFF120	309 A	5	<b>1065100000</b>
WQL 3 WFF120	309 A	5	<b>1065600000</b>
WZAF 120		10	<b>1066300000</b>
WTW WFF120		10	<b>1067300000</b>
WEW 35/1		50	<b>1059000000</b>
WAH 120		20	<b>1064660000</b>
WD 1 25 K KARTE A 6 ST		30	<b>1563900000</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

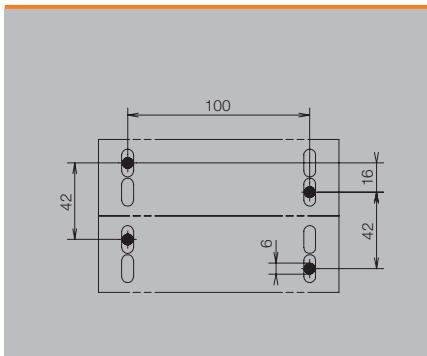
For detailed information on other accessories and application in the online catalogue

WAH 120 in blue, order No. 1064680000

**Technical drawing**

**Drilling template for direct mounting**

Fixing screw for direct mounting	Order No.
M6 x 16	<b>1063700000</b>



**WFF 185**

185 mm<sup>2</sup>

Screw thread M12



55 x 163 x 77.5	
<b>415 / 240</b>	
<b>10...240</b>	

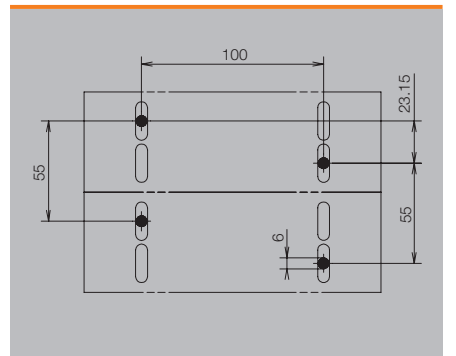
IEC 60947-7-1	Ex e II  II 2 G D		
IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
353	380	360	307
185	AWG 8...500	AWG 8...500	185 mm <sup>2</sup>
8 kV / 3			
/ V-0			
CE        KEMA 98ATEX1684 U			
10...240 mm <sup>2</sup> / 10...185 mm <sup>2</sup>			
25...240 mm <sup>2</sup> / 25...185 mm <sup>2</sup>			
14...31 Nm /			
1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.			

Type	Qty.	Order No.
WFF 185	4	<b>1028600000</b>
WFF 185/AH	2	<b>1029600000</b>
WFF 185 BL	4	<b>1028680000</b>

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
WQL 2 WFF185	415 A	5	<b>1065200000</b>
WQL 3 WFF185	415 A	5	<b>1065700000</b>
WZAF 185		10	<b>1066400000</b>
WTW WFF185/300		10	<b>1067400000</b>
WEW 35/1		50	<b>1059000000</b>
WAH 185/300 BE		10	<b>1064760000</b>
WD 1 25 K KARTE A 6 ST		30	<b>1563900000</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

WAH 185/300 in blue, Order no. 1064780000





**WFF 185 NFF**

**185 mm<sup>2</sup>**

Screw thread M12



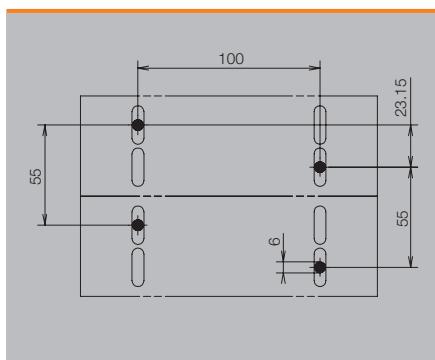
55 x 163 x 77.2  
**353 / 240**  
**10...240**

IEC	UL	CSA	EN 60079-7
500			
353			
185			
/ V-0			
10...240 mm <sup>2</sup> /			
50...60 Nm /			

Type	Qty.	Order No.
WFF 185 NFF	2	<b>1049250000</b>

Type	current	Qty.	Order No.
WQL 2 WFF185	415 A	5	<b>1065200000</b>
WQL 3 WFF185	415 A	5	<b>1065700000</b>
WZAF 185		10	<b>1066400000</b>
WTW WFF185/300		10	<b>1067400000</b>
WEW 35/1		50	<b>1059000000</b>
WAH 185/300 BE		10	<b>1064760000</b>
WD 1 25 K KARTE A 6 ST		30	<b>1563900000</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

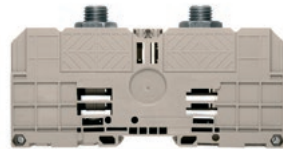
WAH 185/300 in blue, Order no. 1064780000



**WFF 300**

**300 mm<sup>2</sup>**

Screw thread M16



55 x 163 x 85.5  
**520 / 300**  
**25...300**

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
520	500	510	452
300	AWG 6...600	AWG 6...600	300 mm <sup>2</sup>
8 kV / 3			
/ V-0			
KEMA 98ATEX1684 U			
25...240 mm <sup>2</sup> / 25...240 mm <sup>2</sup>			
50...300 mm <sup>2</sup> / 50...240 mm <sup>2</sup>			
25...60 Nm /			

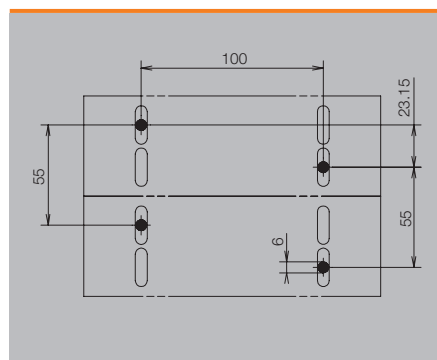
1000 V UL and CSA for usage groups B and C: can be used with isolating terminal rails and when using WTW-type partitions.

Type	Qty.	Order No.
WFF 300	4	<b>1028700000</b>
WFF 300/AH	2	<b>1029700000</b>

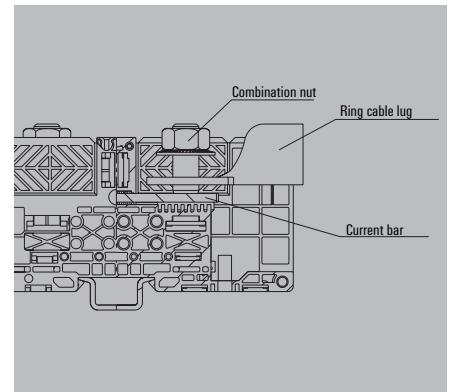
1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
WQL 2 WFF300	520 A	5	<b>1065300000</b>
WQL 3 WFF300	520 A	5	<b>1065800000</b>
WZAF 300		10	<b>1066500000</b>
WTW WFF185/300		10	<b>1067400000</b>
WEW 35/1		50	<b>1059000000</b>
WAH 185/300 BE		10	<b>1064760000</b>
WD 1 25 K KARTE A 6 ST		30	<b>1563900000</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>

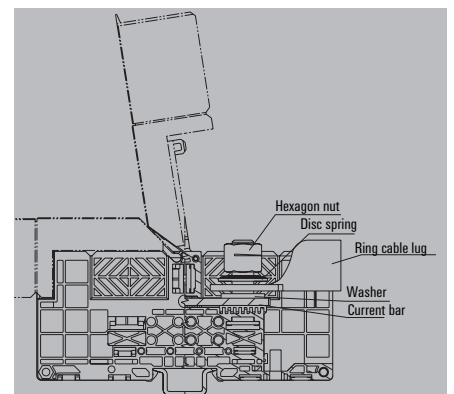
WAH 185/300 in blue, Order no. 1064780000



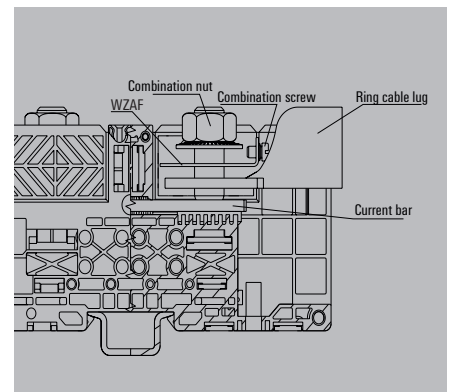
**Stud connection series WFF**



**Stud connection series WFF NFF**

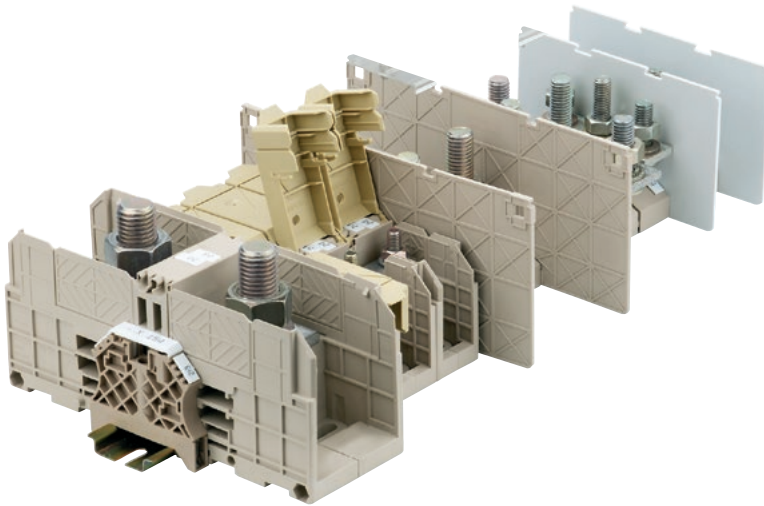


**Auxiliary/control line connection WZAF**



# Stud terminals – Accessories

## Series WF and WFF



## Electrical distribution



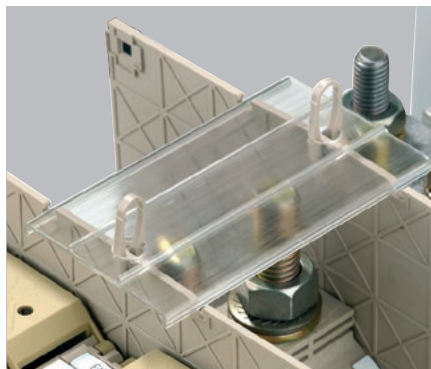
Electrical distribution can be realised between neighbouring stud terminals easily with 2 and 3 poles cross-connections. Cross-connections are also available for different thread sizes from M6 to M8 or M10. In the WFF two-stud terminals, firstly the partition plates have to be removed between the clamped supports. The thin web of material means they can be broken out easily to fit.

## Shock protection



The two-stud terminals in the WF-Series offer, with an integrated hinge cover, a high degree of finger safety. When closed, the cover locks onto the terminal and protects the contact from accidental contact.

## Shock protection / partition plates



Shock protection in the WF-Series is provided by partition plates WTW and transparent cover strips ADP. The cover strips are locked into the guides of the partition plates and held with clips to prevent them slipping to the side. Partition plates ensure compliance with the rated voltages:

- Voltage range up to 1000 V with partition plate WTW WF
- Voltage range up to 2300 V for WF with epoxy partition plate WTW WF 2300

## Connection



Couldn't be easier: the cable lugs are placed on the stud with the washer and toothed washer on top. A normal open-ended spanner can be used to tighten the hex screw and complete installation.

### Potential distribution from stud terminal blocks M10 to 2 x M6

The potential distribution between adjacent stud terminal blocks can be implemented simply using 2- and 3-pole cross-connections, please consult products in the stud terminal chapter.

Reduced cross-sections are required for special applications. These so-called cross-connection lugs are offered accordingly for varying thread sizes from M6 to M10 with a wide range of combinations.

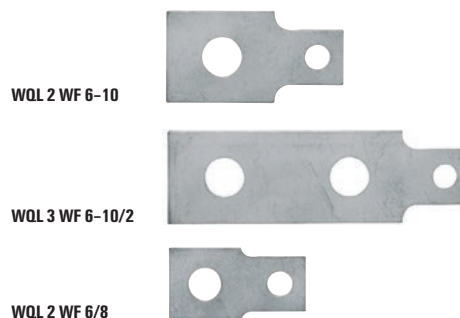


### Ordering data

Type	Qty.	Order No.
SMSE WF10/2XM6	10	1868880000

**Note** Hole diameter: 10 mm for M10 studs  
Stud terminals: WF 10... and WFF 120. The rated current is dependent on the test set-up.

### WQL special cross-connection lugs for WF



### Ordering data

Type	Depth	current	Clamping screw	Terminal screw, additional connection	Qty.	Order No.
WQL 2 WFG-10	4 mm	125 A	M 6	M 10	5	1806620000
WQL 3 WFG-10/2	4 mm	125 A	M 6	M 10	5	1806640000
WQL 2 WFG-8	4 mm	125 A	M 6	M 8	5	1808980000
WQL 4 WFG-6/3	4 mm	24 A	M 8	M 6	5	1904960000
<b>Note</b>						



Screw connection with stud technology  
Accessories

## WF - cross-connections for WF and WFF



Type	Poles	current	Qty.	Order No.
<b>WF 5</b>				
WQL 2 WF5	2	101 A	5	1812710000
WQL 3 WF5	3	101 A	5	1812740000
<b>WF 6 &amp; WF 6/2BZ</b>				
WQL 2 WF6	2	125 A	5	1780970000
WQL 3 WF6	3	125 A	5	1780980000
<b>WF 8 &amp; WF 8/2BZ</b>				
WQL 2 WF8	2	150 A	5	1780990000
WQL 3 WF8	3	150 A	5	1781000000
<b>WF 10 &amp; WF 10/2BZ</b>				
WQL 2 WF10	2	265 A	5	1781010000
WQL 3 WF10	3	265 A	5	1781020000
WQL 4 WF10	4	265 A	5	1027840000
<b>WF 12</b>				
WQL 2 WF12	2	265 A	5	1781030000
WQL 3 WF12	3	265 A	5	1781040000
<b>WFF 35</b>				
WQL 2 WFF35	2	150 A	5	1064900000
WQL 3 WFF35	3	150 A	5	1065400000
<b>WFF 70</b>				
WQL 2 WFF70	2	232 A	5	1065000000
WQL 3 WFF70	3	232 A	5	1065500000
<b>WFF 120</b>				
WQL 2 WFF120	2	309 A	5	1065100000
WQL 3 WFF120	3	309 A	5	1065600000
<b>WFF 185</b>				
WQL 2 WFF185	2	415 A	5	1065200000
WQL 3 WFF185	3	415 A	5	1065700000
<b>WFF 300</b>				
WQL 2 WFF300	2	520 A	5	1065300000
WQL 3 WFF300	3	520 A	5	1065800000

## WF-Series partition plates



Type	Colour	Width	Qty.	Order No.
WTW WF6-WF12	Dark Beige	2.5 mm	20	1781240000
WTW WF6	Dark Beige	3 mm	20	1781220000
WTW WF8	Dark Beige	3 mm	20	1780900000
WTW WF10/WF12	Dark Beige	3 mm	20	1780890000

## WFF-Series partition plates



Type	Colour	Width	Qty.	Order No.
WTW WFF35	Dark Beige	2 mm	10	1067100000
WTW WFF70	Dark Beige	2 mm	10	1067200000
WTW WFF120	Dark Beige	2 mm	10	1067300000
WTW WFF185/300	Dark Beige	2 mm	10	1067400000

WFF series cover hoods



Type	Colour	Width	Qty.	Order No.
WAH 35	Beige	26 mm	20	1064460000
WAH 70 BE	Beige	31 mm	20	1064560000
WAH 120	Beige	41 mm	20	1064660000
WAH 185/300 BE	Beige	54 mm	10	1064760000

WF-Series 2300 V partition plates



Type	Colour	Width	Qty.	Order No.
WTW WF6 2300	Grey	2 mm	20	1781230000
WTW WF8 2300	Grey	2 mm	20	1780910000
WTW WF10/WF12 2300	Grey	2 mm	20	1780920000

Warning triangle for power supply terminal blocks

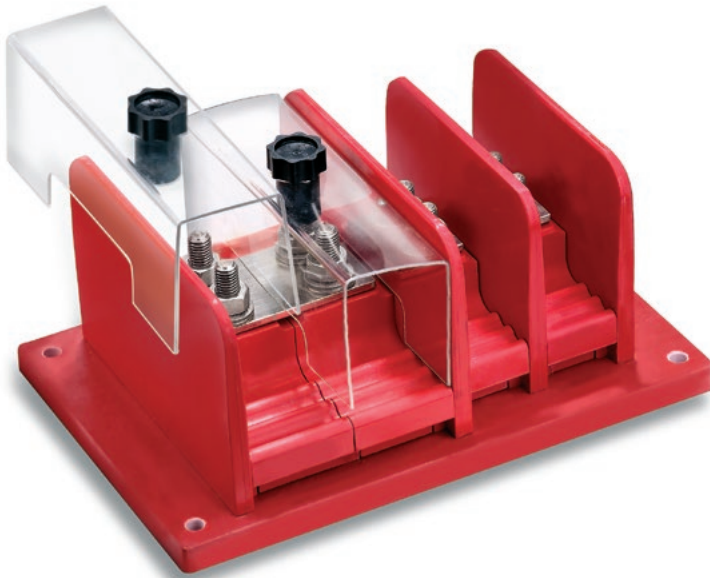


Type	Colour	Width	Qty.	Order No.
WD 1 25 K KARTE A 6 ST		20.5 mm	30	1563900000



# Stud terminals

## Series ST 4000



For especially high electric and mechanical demands

- Voltage ranges up to 4000 V and currents up to 415 A
- For extreme requirements, especially in railway applications

### Shock protection



Stud terminals in the ST 4000 series offer an ideal cover for every version. The polycarbonate cover is placed between the partition plates and fastened to the stud with the plastic-coated fixing nut.

Fixing nuts are available to fit every stud size.

### Potential distribution



When two neighbouring ST 4000 terminals have the same current, cross-connectors are fitted instead of the busbar.

The pairs of holes in the cross-connection are rated exactly to the spacing of ST 4000.

Here the partition plate has to be replaced by the connecting piece ST 4000/S C130 or ST 4000/L C160.

Cross-connections are available as 2-, 3-, or 4-poles.

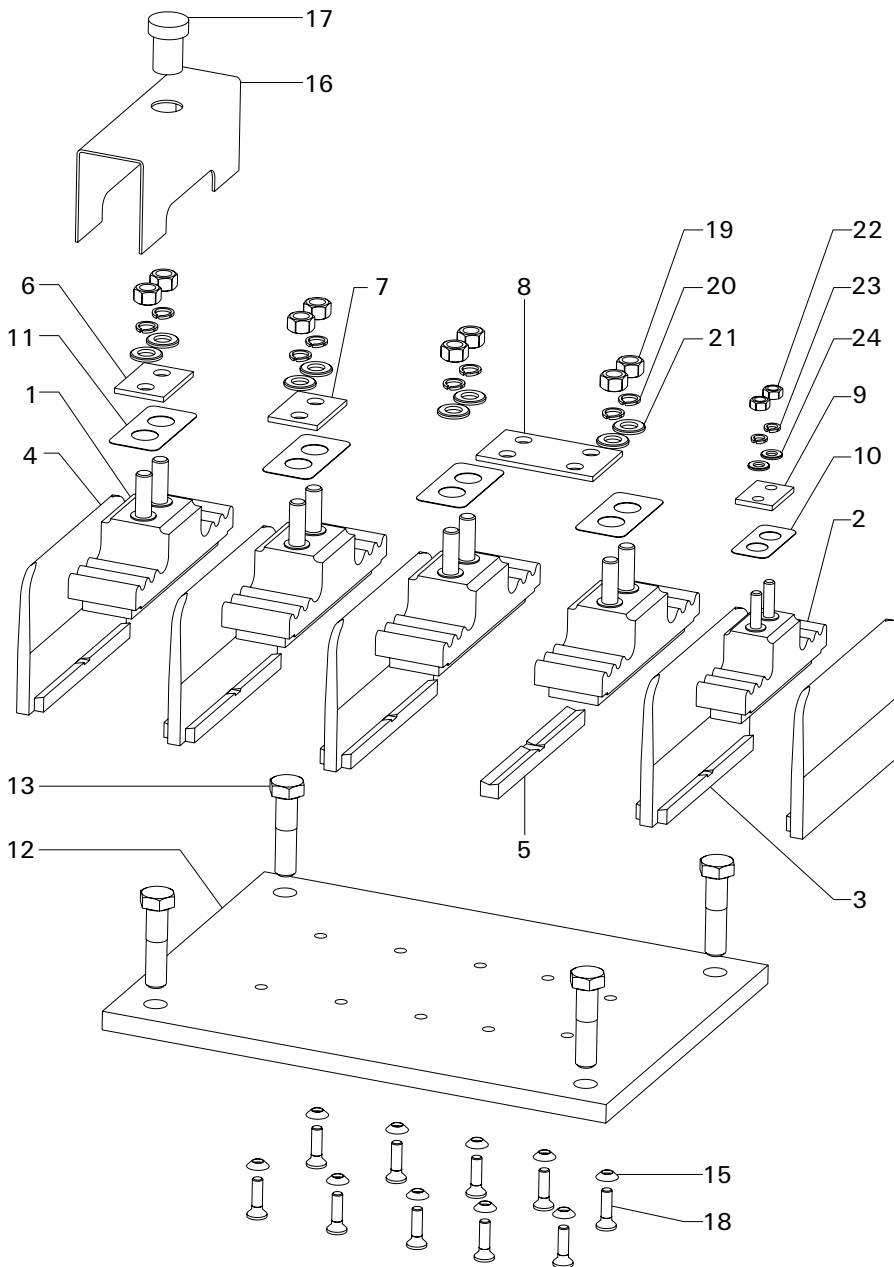
### Connection



Couldn't be easier: the cable lugs are placed on the stud with the washer and toothed washer on top. Tighten the steel hexagonal nut to ensure good contact between cable lug and busbar.

The same principle applies when two cable lugs contact on one stud or slotted hole cable lugs are used.

Slotted hole cable lugs can also be placed over both studs.



### Modular System

- 1 Stud terminal ST 4000/L (large)
- 2 Stud terminal ST 4000/S (small)
- 3 Partition
- 4 Endplate
- 5 Coupling block
- 6/7/9 Current bar
- 8 Cross connection
- 10/11 Marking plate
- 12 Insulating mounting base (customerspecific)
- 13 Studs and washers for the insulating mounting base (not part of the delivery)
- 15/18 Studs and washers to fix the terminals on the insulating mounting base
- 19-24 Studs and washers (Fa. Teckentrup)

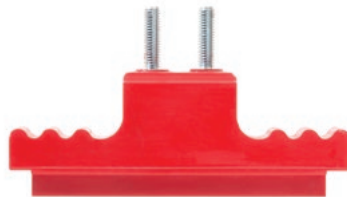


**Screw connection with stud technology**  
**Feed-through terminal blocks – ST 4000**

**ST 4000/S M8**

**120 mm<sup>2</sup>**

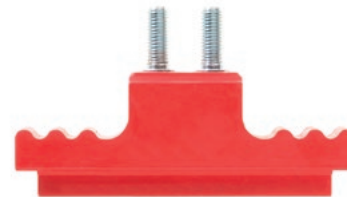
Screw thread M8



**ST 4000/S M10**

**120 mm<sup>2</sup>**

Screw thread M10



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	-

40 x 150 x
<b>269 /</b>

40 x 150 x
<b>269 /</b>

**Technical data**

Rated data with Wemid partition wall	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped cable lugs	
Cable lug to DIN 46234	
2 x cable lugs DIN 46 234	
Cable lug to DIN 46235	
2 x cable lugs DIN 46 235	
Tightening torque (clamping screw for copper conductors)	
Note	

IEC	UL	CSA	EN 60079-7
4000			
269			
120			
		30 kV / 3	
		/V-0	
EH			
1.5 - 120 mm <sup>2</sup>			
16...70 mm <sup>2</sup>			
Note			
Rated voltage when using cable lugs according to DIN 46234			

IEC	UL	CSA	EN 60079-7
4000			
269			
120			
		30 kV / 3	
		/V-0	
EH			
4 - 120 mm <sup>2</sup>			
Note			
Rated voltage when using cable lugs according to DIN 46234			

**Ordering data**

Version
with internal thread
red
Note

Type	Qty.	Order No.
ST 4000/S M8 F	25	<b>1809120000</b>
ST 4000/S M8	25	<b>1809110000</b>
1000 VDC rated voltage tested. Weidmüller produces drawings of the customer-specific ST 4000 application.		

Type	Qty.	Order No.
ST 4000/S M10 F	25	<b>1809140000</b>
ST 4000/S M10	25	<b>1809130000</b>
1000 VDC rated voltage tested. Weidmüller produces drawings of the customer-specific ST 4000 application.		

**Accessories**

Cross-connection	
	2-pole
	3-pole
	4-pole
Busbar	
	M12 / 4 mm thick
	M12 / 6 mm thick
	M8 / 4 mm thick
	M10 / 4 mm thick
	M10 / 6 mm thick
Connecting piece	
	160 mm length
	130 mm length
Partition plate	
	180 mm length
	150 mm length
End partition	
	180 mm length
	150 mm length
Touch-safe protection	
	180 mm length
	150 mm length

Type	current	Qty.	Order No.
ST 4000/S J2 M8		100	<b>1809310000</b>
ST 4000/S J3 M8		50	<b>1809320000</b>
ST 4000/S CB M8/4			
		100	<b>1809250000</b>
ST 4000/S C130			
		50	<b>1809230000</b>
ST 4000/S P150			
		50	<b>1809190000</b>
ST 4000/S E150			
		50	<b>1809210000</b>
ST 4000/S S150			
		20	<b>1809470000</b>

Type	current	Qty.	Order No.
ST 4000/S J2 M10		100	<b>1809340000</b>
ST 4000/S CB M10/4			
		100	<b>1809260000</b>
ST 4000/S CB M10/6			
		100	<b>1809270000</b>
ST 4000/S C130			
		50	<b>1809230000</b>
ST 4000/S P150			
		50	<b>1809190000</b>
ST 4000/S E150			
		50	<b>1809210000</b>
ST 4000/S S150			
		20	<b>1809470000</b>

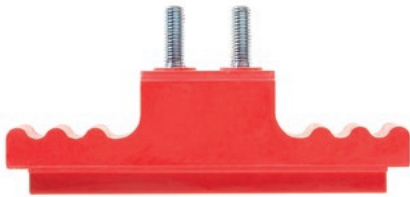
For detailed information on other accessories and application in the online catalogue



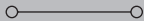
**ST 4000/L M10**

**150 mm<sup>2</sup>**

Screw thread M10



55 x 180 x  
**309 /**



IEC	UL	CSA	EN 60079-7
4000			
309			
150			
	29.5 kV / 3		
	/ V-0		
IEC			
10 - 150 mm <sup>2</sup>			
25 - 150 mm <sup>2</sup>			

Rated voltage when using cable lugs according to DIN 46234

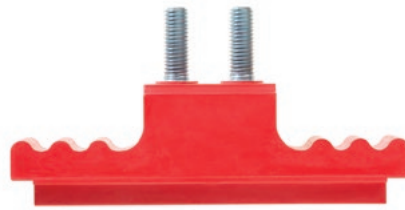
Type	Qty.	Order No.
ST 4000/L M10	15	<b>1809150000</b>
1000 VDC rated voltage tested. Weidmüller produces drawings of the customer-specific ST 4000 application.		

Type	current	Qty.	Order No.
ST 4000/L J2 M10		50	<b>1809370000</b>
ST 4000/L J4 M10		25	<b>1809390000</b>
ST 4000/L CB M10/4		100	<b>1809280000</b>
ST 4000/L C160		50	<b>1809240000</b>
ST 4000/L P180		50	<b>1809200000</b>
ST 4000/L E180		50	<b>1809220000</b>
ST 4000/L S180		1	<b>1809480000</b>

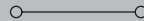
**ST 4000/L M12**

**240 mm<sup>2</sup>**

Screw thread M12



55 x 180 x  
**415 /**



IEC	UL	CSA	EN 60079-7
4000			
415			
240			
	29.5 kV / 3		
	/ V-0		
IEC			
10...240 mm <sup>2</sup>			
25...240 mm <sup>2</sup>			

Rated voltage when using cable lugs according to DIN 46234








Type	Qty.	Order No.
ST 4000/L M12 F	15	<b>1809180000</b>
ST 4000/L M12	15	<b>1809170000</b>
1000 VDC rated voltage tested. Weidmüller produces drawings of the customer-specific ST 4000 application.		

Type	current	Qty.	Order No.
ST 4000/L J2 M12		50	<b>1809400000</b>
ST 4000/L J3 M12		50	<b>1809410000</b>
ST 4000/L J4 M12		25	<b>1809420000</b>
ST 4000/L CB M12/4		100	<b>1809290000</b>
ST 4000/L CB M12/6		100	<b>1809300000</b>
ST 4000/L C160		50	<b>1809240000</b>
ST 4000/L P180		50	<b>1809200000</b>
ST 4000/L E180		50	<b>1809220000</b>
ST 4000/L S180		1	<b>1809480000</b>





# Application range

<b>Application range</b>	Application fields in the panel	B.2
	Power feed-in	B.4
	Screw connection	B.6
	Power distribution	B.22
	Screw connection	B.26
	PUSH IN connection	B.44
	Tension clamp connection	B.45
	Control voltage distribution	B.46
	PUSH IN connection	B.48
	Instrument transformer wiring	B.92
	PUSH IN connection	B.94
	Tension clamp connection	B.96
	Screw connection	B.98
	Signal wiring	B.122
	PUSH IN connection	B.124
	Tension clamp connection	B.126
	Screw connection	B.128
	DCS marshalling	B.132
	PUSH IN connection	B.134
	Screw connection	B.138
	Shielding and earthing	B.148
	Shield clamping saddle	B.150
	Tension clamp connection	B.162
	Screw connection	B.163
	Building installation wiring	B.170
	PUSH IN connection	B.172
	Tension clamp connection	B.186
	Screw connection	B.194

# Panel building requires innovative ideas

## Klippon® Connect delivers pioneering connectivity solutions

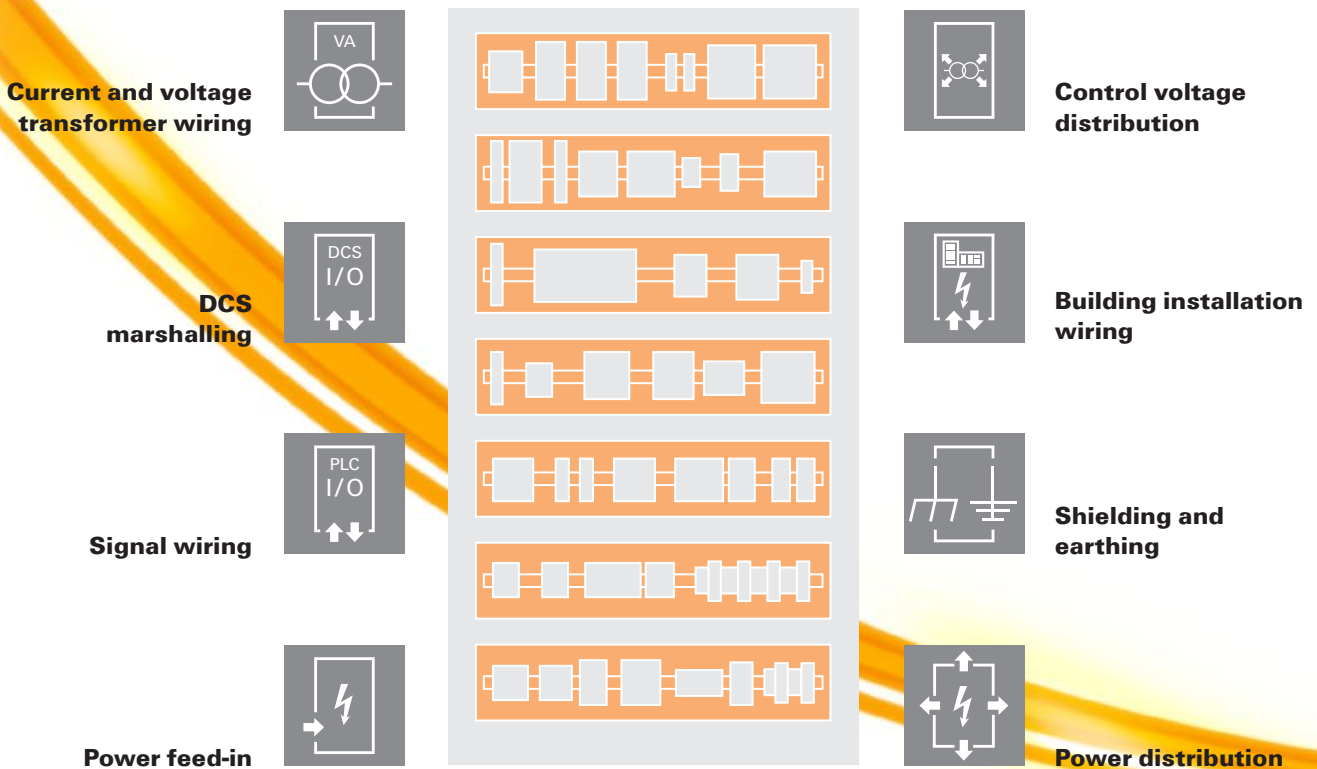
While panels are indeed configured individually, various recurring application fields within the panel are a permanent fixture in almost all industries.

We have identified and developed special solutions for these application fields. By purposefully structuring and adapting the product functions to the respective requirements, our needs-based application products decisively help to boost your productivity, efficiency and safety at all stages of the panel building process.

### Our promise

Our tailored application range guarantees substantial efficiency benefits at every individual stage of the process and leads to unbeatable productivity gains in your panel building operations.

# B





### Power feed-in

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.



### Power distribution

You safely and efficiently distribute electricity to the power consumers with our W-Series feed-through terminal blocks and our optimised WPD phase distribution blocks.



### Control voltage distribution

Our tailored AAP potential distribution terminal blocks are ideal for surge current protection and central control voltage distribution. Meanwhile, our new maxGUARD range enables potential distribution with integrated electronic load monitoring in the smallest of installation spaces.



### Current and voltage transformer wiring

Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.



### Signal wiring

Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.



### DCS marshalling

Our innovative PRV terminal blocks for DCS marshalling featuring a PUSH IN connection and our multifunctional DCS marshalling terminals featuring a screw connection (WMF) not only save space in the panel; they also guarantee more effective signal transmission in process control systems.



### Shielding and earthing

Our protective earth conductor and shielding terminals featuring different connection technologies allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields. A comprehensive range of accessories rounds off our range.



### Building installation wiring

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

## Reliable and efficient power supply

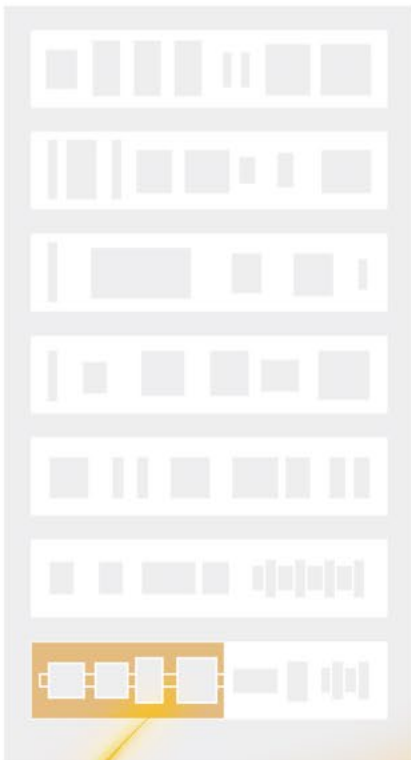
### Really convenient with Klippon® Connect



More and more components need to be housed in switchgear and panels within a confined space. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient and space-saving.

#### Our promise

The feed-in of power to switchgear and panels is much easier with Klippon® Connect: our connection solutions ensure reduced wiring work and efficient processes. The compact design means you save space and money, whilst increasing productivity on a sustainable basis.

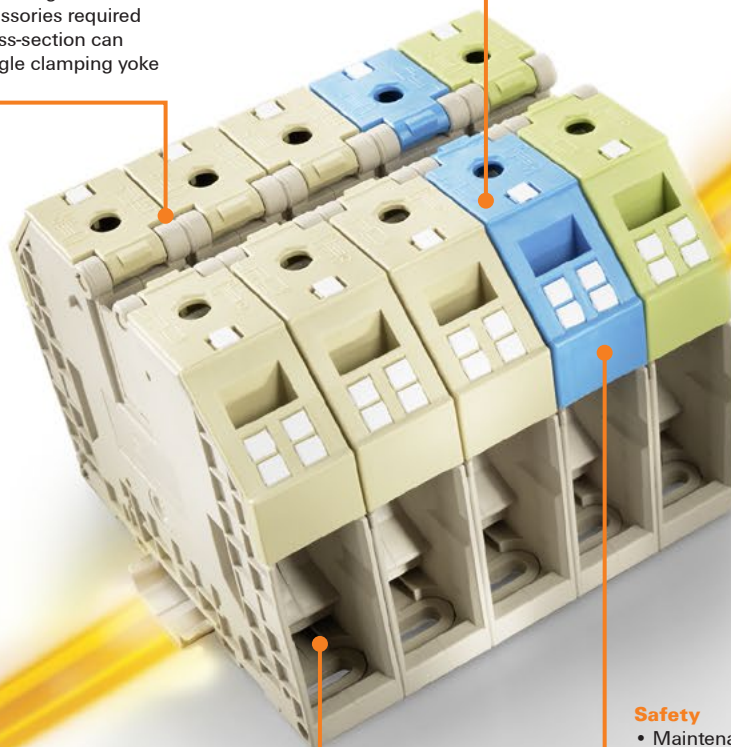


**Space saving**

- Small size of "W Compact" saves space in the panel
- Consistent design makes planning easier and reduces the amount of accessories required
- Conductors of the same cross-section can easily be connected to a single clamping yoke

**Flexibility**

- Best connections in standard and compact models
- Can be clipped onto or removed from the terminal rail in either direction

**Time saving**

- Reduced wiring times, as the terminal blocks are always delivered with clamping yoke open

**Safety**

- Maintenance-free connection without tightening the clamping screw
- Mis-connection protection to ensure safe insertion of the conductor

B

**Our range****Wide range – safe connections:**

In confined spaces, our compact terminal blocks with proven clamping yoke technology increase convenience and enable perfect connections. The strong force of the clamping yoke spring ensures vibration-resistant contacting and compensates for the relaxation in the connected conductor.

**Cost-effective and robust:**

Under harsh environmental conditions with high levels of vibration and shock, such as in traffic engineering, our terminal blocks using stud technology offer excellent safety. With robust workmanship and flexible accessories, our stud terminals meet the requirements for safe, reliable power transfer.

**Power feed-in**  
**Screw connection**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	
mm/-	
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

**Ordering data**

<b>Version</b>	dark beige
	blue
<b>Note</b>	

**Accessories**

<b>Screwable cross-connection</b>	
	2-pole
	3-pole
	4-pole
<b>End bracket</b>	dark beige
<b>Cover</b>	With lightning flash symbol
	Blank, white
<b>Additional connection</b>	10 mm <sup>2</sup>
	4 mm <sup>2</sup>
<b>Identification systems</b>	
<b>Screwdriver</b>	Standard
<b>Ribbon cable clamp</b>	

For detailed information on other accessories and application in the online catalogue

**WDU 50N**

**50 mm<sup>2</sup>**

Compact design



18.5 x 70 x 69.6
<b>192 / 70</b>
<b>10...70</b>

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000	600	600	690
150	150	150	126
50	AWG 10...0	AWG 8...0	50 mm <sup>2</sup>
8 kV / 3			
B10 / V-0			
CE ENEC UL RUL DEMKO14ATEX1338U			
<b>Rated connection</b>		<b>Further connection</b>	
6...16 / 6...70			
10...50 / 6...50			
3.5...6 Nm / (M 6)			
24 / S4 (DIN 6911)			
...16 / 6...16			
6...16 / 6...16			
1000 V DC rated voltage tested.			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 50N	10	1820840000
WDU 50N BL	10	1820850000
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 50N/2	150 A	5	1834060000
WQV 50N/3	150 A	5	1834070000
WQV 50N/4	150 A	5	1834080000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 50N		5	1872720000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

Auxiliary connection for additional conductor "WZAD 50N" 1872720000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section "W series accessories".

**WDU 50N IR**

**50 mm<sup>2</sup>**

Six-lobe socket



18.5 x 70 x 69.6
<b>192 / 70</b>
<b>10...70</b>

IEC 60947-7-1	Ex e II	Ex	II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000			690
150			126
50			50 mm <sup>2</sup>
8 kV / 3			
B10 / V-0			
CE ENEC UL RUL DEMKO14ATEX1338U			
<b>Rated connection</b>		<b>Further connection</b>	
10...16 / 10...70			
10...50 / 10...50			
3...6 Nm / (M 6)			
24 / TX 20			
...16 / 6...16			
6...16 / 6...16			
1000 V DC rated voltage tested.			

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 50N IR	10	1186630000
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 50N/2	150 A	5	1834060000
WQV 50N/3	150 A	5	1834070000
WQV 50N/4	150 A	5	1834080000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 50N		5	1872720000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
TH-S 9-40		1	9008880000

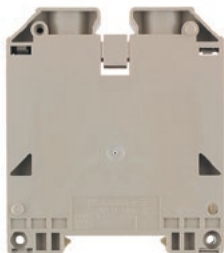
Cross-connections, see section "W series accessories".



WDU 70N

70 mm<sup>2</sup>

Compact design



20.5 x 75 x 85  
232 / 95  
16...95



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
192	150	150	184
70	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>

8 kV / 3  
B11 / V-0

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...70	
8...12 Nm / (M 8)	
22 / S6 (DIN 6911)	
10...16 / 10...25	
10...25 / 6...25	
1000 V DC rated voltage tested.	

Type	Qty.	Order No.
WDU 70N/35	10	9512190000
WDU 70N/35 BL	10	9512420000

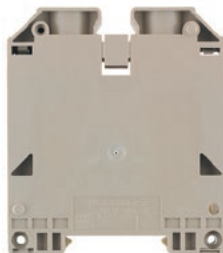
1000 V UL and CSA for usage groups B and C; can be used with isolating DIN rails and when using WTW-EN partitions.

Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	9512240000
WQV 70N/3	192 A	5	9512250000
WQV 70N/4	192 A	5	9531290000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 70N		5	1964830000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/6.5 MC NE WS	540		1609920000
SKS 2,0-8,0 MR		1	9008870000

Auxiliary connection for additional conductor "WZAD 70N" 1964830000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section "W series accessories".

WDU 70N IR

70 mm<sup>2</sup>



20.5 x 75 x 85  
232 / 95  
16...95



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
192	150	150	184
70	AWG 6...0		70 mm <sup>2</sup>

8 kV / 3  
B11 / V-0

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...95	
16...70 / 16...70	
8...12 Nm / (M 8)	
22 / TX 40	

Type	Qty.	Order No.
WDU 70N/35 IR	10	1393420000

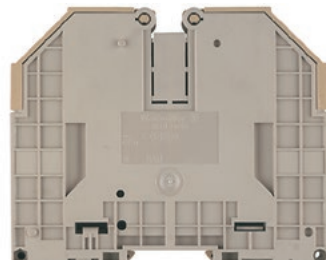
Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	9512240000
WQV 70N/3	192 A	5	9512250000
WQV 70N/4	192 A	5	9531290000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WAD 20 WS		10	9512270000
WZAD 70N		5	1964830000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/5 MC NE WS	720		1609860000
TH-S 9-40		1	9008880000

Auxiliary connection for additional conductor "WZAD 70N" 1964830000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section "W series accessories".

WDU 70/95

95 mm<sup>2</sup>

Conductor can be inserted from above / leaf spring



27 x 132 x 107  
232 / 120  
13.3...120



IEC 60947-7-1

Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
232	175	205	218
95	AWG 6...0	AWG 6...0	95 mm <sup>2</sup>

8 kV / 3  
B12 / V-0

DEMKO14ATEX1338U

Rated connection	Further connection
16...16 / 16...120	
16...95 / 16...95	
6...12 Nm / (M 8)	
30 / S6 (DIN 6911)	
16...16 / 16...35	
16...35 / 16...35	

Type	Qty.	Order No.
WDU 70/95	10	1024600000
WDU 70/95 BL	10	1024680000

For details on ribbon cable, see our online catalogue and for information on direct mounting, see section on W-series Accessories.

Type	current	Qty.	Order No.
WQV 70/95/2	192 A	5	1063500000
WQV 70/95/3	232 A	5	1063600000
WEW 35/1		50	1059000000
WAD 27 M. BL.		10	1062860000
WAD 27 NEUTRAL		10	1062960000
WZAD 70/95		10	1066000000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/6.5 MC NE WS	540		1609920000
SKS 2,0-8,0 MR		1	9008870000
WFL 70/95		5	1616330000

Auxiliary connection for the additional conductor "WZAD 70", order No. 1066000000 (up to 4 mm<sup>2</sup>, 32 A). Cross-connections, see section "W series accessories".



## Power feed-in

### Screw connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	
mm/-	
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

#### Ordering data

Version	dark beige
	blue
Note	

#### Accessories

Screwable cross-connection	
2-pole	
3-pole	
4-pole	
End bracket	dark beige
Cover	With lightning flash symbol
	Blank, white
Additional connection	10 mm <sup>2</sup>
	4 mm <sup>2</sup>
Identification systems	
Screwdriver	Standard
Ribbon cable clamp	

### WDU 95N/120N

120 mm<sup>2</sup>

#### Compact design



27 x 91 x 90	
<b>290 / 150</b>	
<b>16...150</b>	

IEC 60947-7-1	Ex e II		II 2 GD
IEC	UL	CSA	EN 60079-7
1000	1000	1000	880
269	228	220	221
120	AWG 4...250	AWG 4...0	120 mm <sup>2</sup>
8 kV / 3			
B13 / V-0			
CE     DEMKO14ATEX1338U			
Rated connection		Further connection	
16...16 / 16...150			
16...120 / 16...95			
12...20 Nm / (M 10)			
27 / S6 (DIN 6911)			
16...16 / 10...35			
16...35 / 10...35			
1000 V DC rated voltage tested.			

Type	Qty.	Order No.
WDU 95N/120N	5	<b>1820550000</b>
WDU 95N/120N BL	5	<b>1820560000</b>
1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.		

Type	current	Qty.	Order No.
WQV 95N/120N/2	269 A	5	<b>1826890000</b>
WQV 95N/120N/3	269 A	5	<b>1826900000</b>
WQV 95N/120N/4	269 A	5	<b>1826910000</b>
WEW 35/1			
		50	<b>1059000000</b>
WAD 20 GE WSD			
		10	<b>9512260000</b>
WZAD 95N/120N			
		5	<b>1859580000</b>
DEK 5/5 MC NE WS			
		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS			
		540	<b>1609920000</b>
SKS 2,0-8,0 MR			
		1	<b>9008870000</b>

Auxiliary connection for additional conductor "WZAD 95N/120N" 1859580000 (up to 10 mm<sup>2</sup>, 41 A). Cross-connections, see section "W series accessories".

### WDU 95N/120N IR

120 mm<sup>2</sup>

27 x 91 x 90	
<b>290 / 150</b>	
<b>16...150</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
1000			
269			
120			
8 kV / 3			
B13 / V-0			
III			
Rated connection		Further connection	
16...16 / 16...150			
16...120 / 16...95			
12...20 Nm / (M 10)			
27 / TX 40			

Type	Qty.	Order No.
WDU 95N/120N IR	5	<b>1393430000</b>

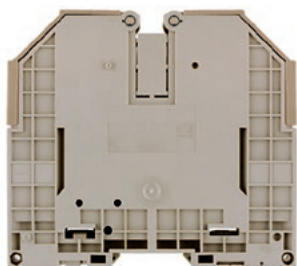
Type	current	Qty.	Order No.
WQV 95N/120N/2	269 A	5	<b>1826890000</b>
WQV 95N/120N/3	269 A	5	<b>1826900000</b>
WQV 95N/120N/4	269 A	5	<b>1826910000</b>
WEW 35/1			
		50	<b>1059000000</b>
WAD 20 GE WSD			
		10	<b>9512260000</b>
WAD 20 WS			
		10	<b>9512270000</b>
WZAD 95N/120N			
		5	<b>1859580000</b>
DEK 5/8 MC NE WS			
		800	<b>1856740000</b>
WS 15/5 MC NE WS			
		480	<b>1609880000</b>
TH-S 9-40			
		1	<b>9008880000</b>

For detailed information on other accessories and application in the online catalogue

WDU 120/150

120 mm<sup>2</sup>

Conductor can be inserted from above / leaf spring



32 x 132 x 117  
309 / 150  
33.63...150



IEC 60947-7-1

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
1000	1000	600	1100
269	225	285	265
120	AWG 2...250	AWG 2...250	150 mm <sup>2</sup>

8 kV / 3

B13 / V-0

CE ENEC NRTL IEC 60947-7-1 (N) VDE 0171-500 (N) DEMKO14ATEX1338U

Rated connection	Further connection
/ 35...150	
35...150 / 35...150	
10...20 Nm / (M 10)	
35 / S6 (DIN 6911)	
...16 / 35...70	
35...70 / 35...70	

Type	Qty.	Order No.
WDU 120/150	10	1024500000
WDU 120/150 BL	10	1024580000

For direct mounting see section W-Series, Accessories.

Type	current	Qty.	Order No.
WQV 120/2	269 A	5	1063300000
WQV 120/3	269 A	5	1063400000
WEW 35/1		50	1059000000
WAD 27 M. BL		10	1062860000
WAD 27 NEUTRAL		10	1062960000
WZAD120		10	1066100000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/6.5 MC NE WS	540		1609920000
SKS 2,0-8,0 MR		1	9008870000
WFL 120/150		5	1616340000

Auxiliary connection for the additional conductor "WZAD 120", order no. 1066100000 (up to 4 mm<sup>2</sup>, 32 A). Cross-connections, see section "W series accessories".

WDU 240

240 mm<sup>2</sup>



36 x 100 x 123.7  
415 / 240  
70...240



IEC 60947-7-1

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	1100
415	380	400	350
240		AWG 0...500	240 mm <sup>2</sup>

8 kV / 3

B15 / V-0

CE ENEC NRTL IEC 60947-7-1 (N) VDE 0171-500 (N) KEMA01ATEX2186U

Rated connection	Further connection
/ 70...240	
70...240 / 70...185	
25...30 Nm / (M 10)	
40 / S8 (DIN 6911)	
/ 35...95	
50...95 / 35...50	

Copper straps can be used; see online catalogue for possible connections.

Type	Qty.	Order No.
WDU 240	2	1802780000
WDU 240 BL	2	1822210000

1000 VDC rated voltage tested.

Type	current	Qty.	Order No.
WQB 240/2	320 A	5	1802790000
WQB 240/3	320 A	5	1802800000
WEW 35/1		50	1059000000
WZAD 240		5	1802810000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/6.5 MC NE WS	540		1609920000
SKS 2,0-8,0 MR		1	9008870000



**Power feed-in  
Screw connection**



**WPE 50N**

**50 mm<sup>2</sup>**

Compact design



**WPE 70N/35**

**70 mm<sup>2</sup>**

Compact design



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

18.5 x 71 x 69.6	
<b>/ 70</b>	
<b>5.26...70</b>	

20.5 x 75 x 85	
<b>/ 95</b>	
<b>16...95</b>	

**Technical data**

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-7-2	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
50	AWG 10...0	AWG 14...0	50 mm <sup>2</sup>
1000			
8			
	6000 A (50 mm <sup>2</sup> )		
	3		
	B10 / V-0		

IEC 60947-7-2	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
70	AWG 6...0	AWG 6...0	70 mm <sup>2</sup>
1000			
8			
	8400 A (70 mm <sup>2</sup> )		
	3		
	B11 / V-0		

**Clamped conductors (H05V/H07V)**

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Tightening torque (mounting screw)	
Stripping length / Blade size	mm/-

Rated connection			
10...16 / 10...70			
10...50 / 10...50			
4...6 Nm / (M 6)			
3...4 Nm			
24 / S4 (DIN 6911)			

Rated connection			
16...16 / 16...95			
16...70 / 16...70			
8...12 Nm / (M 8)			
2...4 Nm			
22 / S6 (DIN 6911)			

**Note**

For 50 and 70 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

For 50 - 95 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

**Ordering data**

Version	green/yellow
Note	

Type	Qty.	Order No.
WPE 50N	10	<b>1846040000</b>

Type	Qty.	Order No.
WPE 70N/35	10	<b>9512200000</b>

**Accessories**

PEN bridge	
End bracket	dark beige
Identification systems	
Screwdriver	Standard

Type	current	Qty.	Order No.
WQV PEN 50N	150 A	5	<b>9201610000</b>
WEW 35/1		50	<b>1059000000</b>
DEK 5/8 MC NE WS		800	<b>1856740000</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>
SKS 2,0-8,0 MR		1	<b>9008870000</b>

Type	current	Qty.	Order No.
WQV 70N-PEN	192 A	5	<b>9525840000</b>
WEW 35/1		50	<b>1059000000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>
SKS 2,0-8,0 MR		1	<b>9008870000</b>

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Rail holder for protective isolation Installation of the mounting rail "SH 2" Order no. 0494920000 (qty. 10).



**WPE 95N/120N**

**95 mm<sup>2</sup>**

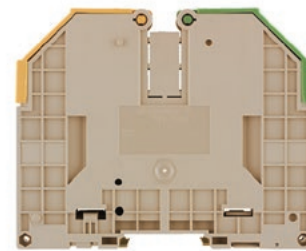
Compact design



**WPE 70/95**

**95 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

27 x 91 x 90	
/ 150	
16...150	

27 x 132 x 107	
/ 120	
13.3...120	

**Technical data**

Rated data	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Tightening torque (mounting screw)	
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
95	AWG 4...0	AWG 4...0	120 mm <sup>2</sup>
1000			
8			
11400 A (95 mm <sup>2</sup> )			
3			
B13 / V-0			

CE

Rated connection	
16...16 / 16...150	
16...120 / 16...95	
16...20 Nm / (M 10)	
3...4 Nm	
27 / S6 (DIN 6911)	

For 50 - 150 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

IEC 60947-7-2 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
95	AWG 6...0	AWG 6...0	120 mm <sup>2</sup>
1000			
8			
11400 A (95 mm <sup>2</sup> )			
3			
B12 / V-0			

CE

Rated connection	
16...16 / 16...120	
16...95 / 16...95	
6...12 Nm / (M 8)	
3...6 Nm	
30 / S6 (DIN 6911)	

For 50 - 120 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

**Ordering data**

Version	
	green/yellow
Note	

Type	Qty.	Order No.
WPE 95N/120N	5	1846030000
UL, CSA and ATEX certifications are pending		

Type	Qty.	Order No.
WPE 70/95	10	1037300000

**Accessories**

<b>PEN bridge</b>	
<b>End bracket</b>	dark beige
<b>Identification systems</b>	
<b>Screwdriver</b>	Standard

Type	current	Qty.	Order No.
WQV PEN 95N/120N		5	9201630000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

Type	current	Qty.	Order No.
WQV 70/95-PEN	192 A	5	1072300000
WEW 35/1		50	1059000000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000
SKS 2,0-8,0 MR		1	9008870000

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).

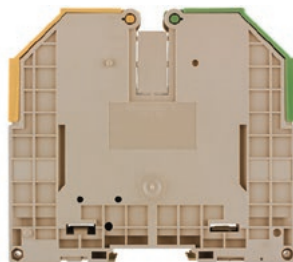
**Power feed-in**  
**Screw connection**



**WPE 120/150**

**120 mm<sup>2</sup>**

Conductor can be inserted from above / leaf spring



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

32 x 132 x 117
<b>/ 150</b>
<b>33.62... 150</b>



**Technical data**

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC 60947-2	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
120	AWG 2...250	AWG 2...250	150 mm <sup>2</sup>
1000			
8			
	14400 A (120 mm <sup>2</sup> )		
	3		
	B13 / V-0		

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Tightening torque (mounting screw)	
Stripping length / Blade size	mm/-

CE			
<b>Rated connection</b>			
/ 35...150			
35...150 / 35...150			
10...20 Nm / (M 10)			
3...6 Nm			
35 / S6 (DIN 6911)			

For 50 - 150 mm<sup>2</sup>, the TS 35 x 15 (copper, 2.3 mm thick) mounting rail should be used.

**Ordering data**

<b>Version</b>	green/yellow
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WPE 120/150	10	<b>1019700000</b>

**Accessories**

<b>PEN bridge</b>	
<b>End bracket</b>	dark beige
<b>Identification systems</b>	
<b>Screwdriver</b>	Standard

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 120-PEN	269 A	5	<b>1072400000</b>
WEW 35/1		50	<b>1059000000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/6.5 MC NE WS		540	<b>1609920000</b>
SKS 2,0-8,0 MR		1	<b>9008870000</b>

For detailed information on other accessories and application in the online catalogue

Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10).



## Reliable and efficient power supply

### Really convenient with Klippon® Connect

A growing number of industrial applications needs to fit a large amount of technology into a very dense space. Different connection types must thereby be interchangeable, because cost-saving aluminium often replaces copper.



Klippon® Connect power feed-in terminal blocks WPD allow for an easy and safe installation of aluminium and copper conductors on a small footprint. A power supply or monitoring connection can also be used as an option.

Customers can use the power feed-in terminal blocks WPD, regardless of the conductor material. They can be mounted either directly or on DIN rail TS35.

B



#### Compact and robust design

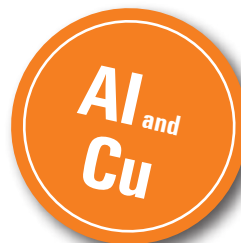
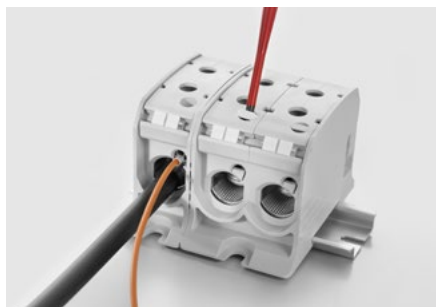
Klippon® Connect power feed-in terminal blocks WPD boast a wide range of features, including a compact and robust design.





**Uninterrupted monitoring**

Small power supply and monitoring connections can be installed without disconnecting any previously connected terminal blocks.



**Easy and flexible mounting**

The possibility of direct mounting and the compatibility with the 35-mm DIN rail in accordance with EN 60715 and EN 50022 allow fast processing and installation.

B



**Socket wrench sets**

Weidmüller offers fitting SK WSD-S Allen keys DIN ISO 2936 L (DIN 911) made from fully hardened high-alloy chromium-vanadium-steel with a high-quality refined surface for the blocks.



**Power feed-in**  
**Screw connection**



**WPD 130**



**WPD 230**



Width/Depth/Height  
Rated AC voltage  
Rated DC voltage  
Rated current  
UL 94 flammability rating  
Poles

20 / 45 / 70  
1000 V AC  
1000 V DC  
120 A  
V-0  
1



35.6 / 45 / 70  
1000 V AC  
1000 V DC  
120 A  
V-0  
2



**Technical data**

**Copper (Cu) IEC 60947-7-7-1/ UL 1059**

- Solid
- Solid (UL)
- Stranded
- Stranded (UL)
- Finely stranded with wire end ferrule
- Finely stranded with wire end ferrule (UL)
- Clamping screw
- Stripping length
- Max. current

Input	Tightening Torque
6 - 50 mm <sup>2</sup>	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
6 - 50 mm <sup>2</sup>	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
4 - 35 mm <sup>2</sup>	10 Nm
12 AWG - 0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 150 A (UL)	

Output	Tightening Torque
6 - 50 mm <sup>2</sup>	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
6 - 50 mm <sup>2</sup>	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
4 - 35 mm <sup>2</sup>	10 Nm
12 AWG - 0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 150 A (UL)	

**Auxiliary connection**

- Solid
- Solid (UL)
- Stranded
- Stranded (UL)
- Finely stranded with wire end ferrule
- Finely stranded with wire end ferrule (UL)
- Clamping screw
- Stripping length
- Max. current

**Aluminium (Al) UL 1059**

- Solid
- Solid (UL)
- Stranded
- Stranded (UL)
- Sector
- Sector (UL)
- Clamping screw
- Stripping length
- Max. current

Input	Tightening Torque
16 - 50 mm <sup>2</sup>	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
16 - 50 mm <sup>2</sup>	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
4 - 35 mm <sup>2</sup>	14 Nm
1 AWG - 0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 120 A (UL)	

Output	Tightening Torque
16 - 50 mm <sup>2</sup>	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
16 - 50 mm <sup>2</sup>	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
16 - 50 mm <sup>2</sup>	14 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 120 A (UL)	

**Ordering data**

Version	
	grey
	blue
	brown
	green
	black

Type	Qty.	Order No.
WPD 130 1X50/1X50 GY	9	2502530000
WPD 130 1X50/1X50 BL	9	2502540000
WPD 130 1X50/1X50 BN	9	2502560000
WPD 130 1X50/1X50 GN	9	2502550000
WPD 130 1X50/1X50 BK	9	2502570000

Type	Qty.	Order No.
WPD 230 2X50/2X50 GY	5	2502580000
WPD 230 2X50/2X50 BL	5	2502590000
WPD 230 2X50/2X50 BN	5	2502610000
WPD 230 2X50/2X50 GN	5	2502600000
WPD 230 2X50/2X50 BK	5	2502950000

**Accessories**

	Dust cap
	Allen key set
	Identification systems
<b>For detailed information on other accessories and application in the online catalogue</b>	

Type	Qty.	Order No.
WPDPC X30 GY	54	2503330000
SKS 2,0-8,0 MR	1	9008870000
DEK 5/5 MC NE WS	1000	1609801044

Type	Qty.	Order No.
WPDPC X30 GY	54	2503330000
SKS 2,0-8,0 MR	1	9008870000
DEK 5/5 MC NE WS	1000	1609801044

WPD 330



56.6 / 45 / 70  
1000 V AC  
1000 V DC  
120 A  
V-0  
3



Input	Tightening Torque
6 - 50 mm <sup>2</sup>	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
6 - 50 mm <sup>2</sup>	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
4 - 35 mm <sup>2</sup>	10 Nm
12 AWG - 0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 150 A (UL)	

Output	Tightening Torque
6 - 50 mm <sup>2</sup>	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
6 - 50 mm <sup>2</sup>	10 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
4 - 35 mm <sup>2</sup>	10 Nm
12 AWG - 0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 150 A (UL)	

Input	Tightening Torque
16 - 50 mm <sup>2</sup>	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
16 - 50 mm <sup>2</sup>	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
4 - 35 mm <sup>2</sup>	14 Nm
1 AWG - 0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 120 A (UL)	

Output	Tightening Torque
16 - 50 mm <sup>2</sup>	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
16 - 50 mm <sup>2</sup>	14 Nm
1 AWG - 1/0 AWG	123,9 Lb In.
16 - 50 mm <sup>2</sup>	14 Nm
10 AWG - 1/0 AWG	123,9 Lb In.
M10	
16 mm	
150 A / 120 A (UL)	

Type	Qty.	Order No.
WPD 330 3X50/3X50 3XGY	3	2502620000
WPD 330 3X50/3X50 1XBN/1XBK/1XGY	2	2502650000
WPD 330 1XGY/1XBL/1XGN	3	2502640000

Type	Qty.	Order No.
WPDPC X30 GY	54	2503330000
SKS 2,0-8,0 MR	1	9008870000
DEK 5/5 MC NE WS	1000	1609801044



**Power feed-in**  
**Screw connection**



**WPD 131**



**WPD 231**

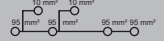


Width/Depth/Height  
Rated AC voltage  
Rated DC voltage  
Rated current  
UL 94 flammability rating  
Poles

25.5 / 57 / 93  
1000 V AC  
1000 V DC  
155 A  
V-0  
1



47 / 57 / 93  
1000 V AC  
1000 V DC  
155 A  
V-0  
2



**Technical data**

**Copper (Cu) IEC 60947-7-7-1/ UL 1059**

Solid  
Solid (UL)  
Stranded  
Stranded (UL)  
Finely stranded with wire end ferrule  
Finely stranded with wire end ferrule (UL)  
Clamping screw  
Stripping length  
Max. current

Input	Tightening Torque
10 - 95 mm <sup>2</sup>	19 Nm
6 AWG - 3/0 AWG	200 Lb In.
10 - 95 mm <sup>2</sup>	19 Nm
6 AWG - 3/0 AWG	200 Lb In.
6 - 70 mm <sup>2</sup>	19 Nm
8 AWG - 2/0 AWG	200 Lb In.
M14	
26 mm	
232 A / 200 A (UL)	

Output	Tightening Torque
10 - 95 mm <sup>2</sup>	19 Nm
6 AWG - 3/0 AWG	200 Lb In.
10 - 95 mm <sup>2</sup>	19 Nm
6 AWG - 3/0 AWG	200 Lb In.
6 - 70 mm <sup>2</sup>	19 Nm
8 AWG - 2/0 AWG	200 Lb In.
M14	
26 mm	
232 A / 200 A (UL)	

**Auxiliary connection**

Solid  
Solid (UL)  
Stranded  
Stranded (UL)  
Finely stranded with wire end ferrule  
Finely stranded with wire end ferrule (UL)  
Clamping screw  
Stripping length  
Max. current

Input	Tightening Torque
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 6 mm <sup>2</sup>	1,2 Nm
16 - 10 AWG	2,3 Lb In.
M4	
10 mm	
57 A	

Output	Tightening Torque
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 6 mm <sup>2</sup>	1,2 Nm
16 - 10 AWG	2,3 Lb In.
M4	
10 mm	
57 A	

**Aluminium (Al) UL 1059**

Solid  
Solid (UL)  
Stranded  
Stranded (UL)  
Sector  
Sector (UL)  
Clamping screw  
Stripping length  
Max. current

Input	Tightening Torque
10 - 95 mm <sup>2</sup>	19 Nm
6 AWG - 3/0 AWG	200 Lb In.
10 - 95 mm <sup>2</sup>	19 Nm
6 AWG - 3/0 AWG	200 Lb In.
10 - 95 mm <sup>2</sup>	19 Nm
6 AWG - 3/0 AWG	200 Lb In.
M14	
26 mm	
200 A / 155 A (UL)	

Output	Tightening Torque
10 - 95 mm <sup>2</sup>	19 Nm
6 AWG - 3/0 AWG	200 Lb In.
10 - 95 mm <sup>2</sup>	19 Nm
6 AWG - 3/0 AWG	200 Lb In.
10 - 95 mm <sup>2</sup>	19 Nm
6 AWG - 3/0 AWG	200 Lb In.
M14	
26 mm	
200 A / 155 A (UL)	

**Ordering data**

Version	Type	Qty.	Order No.
grey	WPD 131 1X95/1X95 GY	2	2503090000
blue	WPD 131 1X95/1X95 BL	2	2502660000
brown	WPD 131 1X95/1X95 BN	2	2502680000
green	WPD 131 1X95/1X95 GN	2	2502670000
black	WPD 131 1X95/1X95 BK	1	2502690000

Type	Qty.	Order No.
WPD 231 2X95/2X95 GY	1	2502700000
WPD 231 2X95/2X95 BL	1	2502710000
WPD 231 2X95/2X95 BN	1	2502730000
WPD 231 2X95/2X95 GN	1	2502720000
WPD 231 2X95/2X95 BK	1	2502740000

Type	Qty.	Order No.
WPD 231 2X95/2X95 GY	1	2502700000
WPD 231 2X95/2X95 BL	1	2502710000
WPD 231 2X95/2X95 BN	1	2502730000
WPD 231 2X95/2X95 GN	1	2502720000
WPD 231 2X95/2X95 BK	1	2502740000

**Accessories**

Type	Qty.	Order No.
WPDPC X31 GY	20	2503370000
SKS 2,0-8,0 MR	1	9008870000
DEK 5/8 MC NE WS	800	1856740000

Dust cap  
Allen key set  
Identification systems

For detailed information on other accessories and application in the online catalogue

Type	Qty.	Order No.
WPDPC X31 GY	20	2503370000
SKS 2,0-8,0 MR	1	9008870000
DEK 5/8 MC NE WS	800	1856740000

Type	Qty.	Order No.
WPDPC X31 GY	20	2503370000
SKS 2,0-8,0 MR	1	9008870000
DEK 5/8 MC NE WS	800	1856740000



### WPD 132



### WPD 232



Width/Depth/Height  
Rated AC voltage  
Rated DC voltage  
Rated current  
UL 94 flammability rating  
Poles

37.5 / 73.5 / 105  
1000 V AC  
1000 V DC  
250 A  
V-0  
1



67.6 / 73.5 / 105  
1000 V AC  
1000 V DC  
250 A  
V-0  
2



### Technical data

#### Copper (Cu) IEC 60947-7-1/ UL 1059

Solid core  
Solid core (UL)  
Stranded  
Stranded (UL)  
Finely stranded with wire end ferrule  
Finely stranded with wire end ferrule (UL)  
Clamping screw  
Stripping lengths  
Max. current

Input	Tightening Torque
95 - 185 mm <sup>2</sup>	25 Nm
3/0 AWG - 350 kcmil	250 Lb In.
95 - 185 mm <sup>2</sup>	25 Nm
3/0 AWG - 350 kcmil	250 Lb In.
70 - 150 mm <sup>2</sup>	25 Nm
2/0 AWG - 300 kcmil	250 Lb In.
M14	
26 mm	
353 A / 310 A (UL)	

Output	Tightening Torque
95 - 185 mm <sup>2</sup>	25 Nm
3/0 AWG - 350 kcmil	250 Lb In.
95 - 185 mm	25 Nm
3/0 AWG - 350 kcmil	250 Lb In.
70 - 150 mm <sup>2</sup>	25 Nm
2/0 AWG - 300 kcmil	250 Lb In.
M14	
26 mm	
353 A / 310 A (UL)	

#### Auxiliary connection

Solid core  
Solid core (UL)  
Stranded  
Stranded (UL)  
Finely stranded with wire end ferrule  
Finely stranded with wire end ferrule (UL)  
Clamping screw  
Stripping lengths  
Max. current

Input	Tightening Torque
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 6 mm <sup>2</sup>	1,2 Nm
16 - 10 AWG	2,3 Lb In.
M4	
10 mm	
57 A	

Output	Tightening Torque
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 6 mm <sup>2</sup>	1,2 Nm
16 - 10 AWG	2,3 Lb In.
M4	
10 mm	
57 A	

#### Aluminium (Al) UL 1059

Solid  
Solid (UL)  
Stranded  
Stranded (UL)  
Sector  
Sector (UL)  
Clamping screw  
Stripping length  
Max. current

Input	Tightening Torque
95 - 185 mm <sup>2</sup>	28,8 Nm
3/0 AWG - 350 kcmil	398 Lb In.
95 - 185 mm <sup>2</sup>	28,8 Nm
3/0 AWG - 350 kcmil	398 Lb In.
95 - 185 mm <sup>2</sup>	28,8 Nm
3/0 AWG - 350 kcmil	398 Lb In.
M18	
29 mm	
250 A / 250 A (UL)	

Output	Tightening Torque
95 - 185 mm <sup>2</sup>	28,8 Nm
3/0 AWG - 350 kcmil	398 Lb In.
95 - 185 mm <sup>2</sup>	28,8 Nm
3/0 AWG - 350 kcmil	398 Lb In.
95 - 185 mm <sup>2</sup>	28,8 Nm
3/0 AWG - 350 kcmil	398 Lb In.
M18	
29 mm	
250 A / 250 A (UL)	

### Ordering data

Version	
grey	
blue	
brown	
green	
black	

Type	Qty.	Order No.
WPD 132 1X185/1X185 GY	1	2502750000
WPD 132 1X185/1X185 BL	1	2502760000
WPD 132 1X185/1X185 BN	1	2502780000
WPD 132 1X185/1X185 GN	1	2502770000
WPD 132 1X185/1X185 BK	1	2502790000

Type	Qty.	Order No.
WPD 232 2X185/2X185 GY	1	2502800000
WPD 232 2X185/2X185 BL	1	2502810000
WPD 232 2X185/2X185 BN	1	2502830000
WPD 232 2X185/2X185 GN	1	2502820000
WPD 232 2X185/2X185 BK	1	2502840000

### Accessories

Dust cap	
Allen key set	
Identification systems	

Type	Qty.	Order No.
WPDPC X32 GY	12	2503380000
SKS 2,0-8,0 MR	1	9008870000
DEK 5/8 MC NE WS	800	1856740000

Type	Qty.	Order No.
WPDPC X32 GY	12	2503380000
SKS 2,0-8,0 MR	1	9008870000
DEK 5/8 MC NE WS	800	1856740000

For detailed information on other accessories and application in the online catalogue

**Power feed-in**  
**Screw connection**



**WPD 133**



**WPD 233**

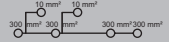


Width/Depth/Height  
Rated AC voltage  
Rated DC voltage  
Rated current  
UL 94 flammability rating  
Poles

45 / 83.5 / 118  
1000 V AC  
1000 V DC  
340 A  
V-0  
1



82.6 / 83.5 / 118  
1000 V AC  
1000 V DC  
340 A  
V-0  
2



**Technical data**

**Copper (Cu) IEC 60947-7-1/ UL 1059**

Solid  
Solid (UL)  
Stranded  
Stranded (UL)  
Finely stranded with wire end ferrule  
Finely stranded with wire end ferrule (UL)  
Clamping screw  
Stripping length  
Max. current

Input	Tightening Torque
50 - 300 mm <sup>2</sup>	45 Nm
300 kcmil - 600 kcmil	300 Lb In.
50 - 300 mm <sup>2</sup>	45 Nm
300 kcmil - 600 kcmil	300 Lb In.
35 - 240 mm <sup>2</sup>	45 Nm
250 kcmil - 600 kcmil	300 Lb In.
M24	
34 mm	
520 A / 420 A (UL)	

Output	Tightening Torque
50 - 300 mm <sup>2</sup>	45 Nm
300 kcmil - 600 kcmil	300 Lb In.
50 - 300 mm <sup>2</sup>	45 Nm
300 kcmil - 600 kcmil	300 Lb In.
35 - 240 mm <sup>2</sup>	45 Nm
250 kcmil - 600 kcmil	300 Lb In.
M24	
34 mm	
520 A / 420 A (UL)	

**Auxiliary connection**

Solid  
Solid (UL)  
Stranded  
Stranded (UL)  
Finely stranded with wire end ferrule  
Finely stranded with wire end ferrule (UL)  
Clamping screw  
Stripping length  
Max. current

Input	Tightening Torque
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 6 mm <sup>2</sup>	1,2 Nm
16 - 10 AWG	2,3 Lb In.
M4	
10 mm	
57 A	

Output	Tightening Torque
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 10 mm <sup>2</sup>	1,2 Nm
16 - 8 AWG	2,3 Lb In.
1,5 - 6 mm <sup>2</sup>	1,2 Nm
16 - 10 AWG	2,3 Lb In.
M4	
10 mm	
57 A	

**Aluminium (Al) UL 1059**

Solid  
Solid (UL)  
Stranded  
Stranded (UL)  
Sector  
Sector (UL)  
Clamping screw  
Stripping length  
Max. current

Input	Tightening Torque
50 - 300 mm <sup>2</sup>	65 Nm
300 kcmil - 600 kcmil	575.3 Lb In.
50 - 300 mm <sup>2</sup>	65 Nm
300 kcmil - 600 kcmil	575.3 Lb In.
50 - 300 mm <sup>2</sup>	65 Nm
300 kcmil - 600 kcmil	575.3 Lb In.
M24	
34 mm	
340 A / 340 A (UL)	

Output	Tightening Torque
50 - 300 mm <sup>2</sup>	65 Nm
300 kcmil - 600 kcmil	575.3 Lb In.
50 - 300 mm <sup>2</sup>	65 Nm
300 kcmil - 600 kcmil	575.3 Lb In.
50 - 300 mm <sup>2</sup>	65 Nm
300 kcmil - 600 kcmil	575.3 Lb In.
M24	
34 mm	
340 A / 340 A (UL)	

**Ordering data**

Version	
grey	
blue	
brown	
green	
black	

Type	Qty.	Order No.
WPD 133 1X300/1X300 GY	1	2502850000
WPD 133 1X300/1X300 BL	1	2502860000
WPD 133 1X300/1X300 BN	1	2502880000
WPD 133 1X300/1X300 GN	1	2502870000
WPD 133 1X300/1X300 BK	1	2502890000

Type	Qty.	Order No.
WPD 233 2X300/2X300 GY	1	2502900000
WPD 233 2X300/2X300 BL	1	2502910000
WPD 233 2X300/2X300 BN	1	2502930000
WPD 233 2X300/2X300 GN	1	2502920000
WPD 233 2X300/2X300 BK	1	2502940000

**Accessories**

Dust cap	
Allen key set	
Identification systems	

For detailed information on other accessories and application in the online catalogue

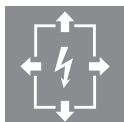
Type	Qty.	Order No.
WPDPC X33 GY	8	2503390000
SKS 2,0-8,0 MR	1	9008870000
DEK 5/8 MC NE WS	800	1856740000

Type	Qty.	Order No.
WPDPC X33 GY	8	2503390000
SKS 2,0-8,0 MR	1	9008870000
DEK 5/8 MC NE WS	800	1856740000



# The secure and efficient way of distributing power

## Klippon® Connect provides the required flexibility

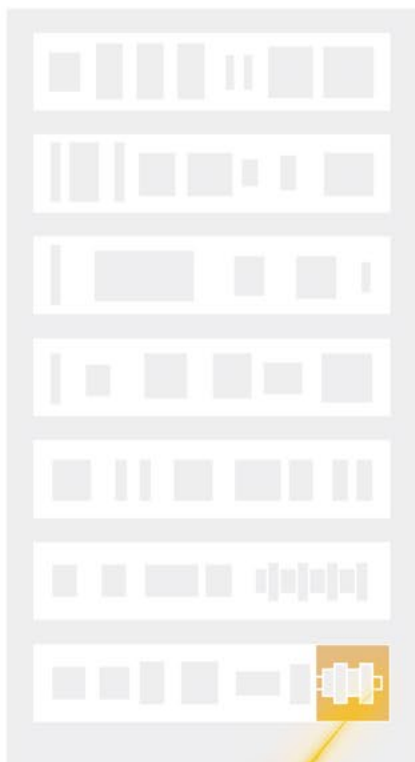


Safe power supply to equipment such as motors is decisive for the availability of plants and machines. The use of increasingly large wire cross-sections and restricted space in the panel is increasing the demands on terminal blocks and distribution blocks and posing new challenges for panel planners. Our comprehensive product range for power distribution ensures excellent flexibility, even in the planning stages. The variety of possible combinations gives you just what you need for all power distribution requirements and enables compact panel design.

### Our promise

Rapid installation and flexible combination options with Klippon® Connect, for simple, space-saving installation and increased productivity in the construction of switchgear and panel. This makes the design of your power distribution system noticeably more efficient.

B





**Space saving**

- Space-saving format and variety of functions in a single design
- Flexible expansion thanks to series arrangement and cross connection

**Time saving**

- Compatible with TS 35 terminal rail
- Optimised design for simple handling and fast installation, even under challenging conditions



**Safety**

- Safe conductor connection supported by step design
- Finger safety guaranteed in accordance with EN 50274
- Short-circuit resistance to highest SCCR standard

**Flexibility**

- Range of possible combinations for each requirement
- Can be used around the world thanks to international approvals

B



**Our range**



**More space, more options – even for aluminium wires:**

The slim design of our WPD X01–X03 main line branch terminals saves a great deal of space. With certification for aluminium conductors according to IEC 61238 “Class A” and a permissible voltage of 1,000 V DC, they meet all the requirements of complex applications.



**All-rounder for a better overview:**

Our WPD X00 & X04–X09 distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables rapid, efficient implementation of space-saving power distribution.



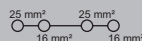
### WPD 101

#### Main line branch terminals



Width/Depth/Height  
Rated AC voltage  
Rated DC voltage  
Rated current  
UL 94 flammability rating

17.8 / 49.3 / 55.7  
1000 V AC  
1000 V DC  
152 A  
V-0



#### Technical data

Inputs	
Number of connections	1
Solid	2.5...25mm <sup>2</sup>
Stranded	2.5...25mm <sup>2</sup>
Flexible with ferrule	1.5...16mm <sup>2</sup>
Ribbon cable	
Torque	2.5Nm
Clamping screw	M 6
Stripping length	19mm
Outputs	
Number of connections	1
Solid	2.5...25mm <sup>2</sup>
Stranded	2.5...25mm <sup>2</sup>
Flexible with ferrule	1.5...16mm <sup>2</sup>
Torque	2.5Nm
Clamping screw	M 6
Stripping length	19mm
Poles	1
Tightening torque (clamping screw for copper conductors)	2.5 Nm (1.5 mm <sup>2</sup> )
Tightening torque (clamping screw for aluminium conductors)	4 Nm (16 mm <sup>2</sup> )
Note	

#### Ordering data

Version	Type	Qty.	Order No.
blue	WPD 101 2X25/2X16 BL	5	1560670000
grey	WPD 101 2X25/2X16 GY	5	1560730000
brown	WPD 101 2X25/2X16 BN	5	1561120000
green	WPD 101 2X25/2X16 GN	5	1560650000
black	WPD 101 2X25/2X16 BK	5	1561100000
Note			

#### Accessories

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000

For detailed information on other accessories and application in the online catalogue

### WPD 301

#### Main line branch terminals



53.4 / 49.3 / 55.7  
1000 V AC  
1000 V DC  
152 A  
V-0



#### Technical data

IEC 60947-7-1, IEC 61238-1, VDE 0603-2				
top	mid./left	mid./mid.	mid./right	bottom
1			1	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
1.5...16mm <sup>2</sup>			1.5...10mm <sup>2</sup>	
2.5Nm			2.5Nm	
M 6			M 6	
19mm			19mm	
IEC 60947-7-1, IEC 61238-1, VDE 0603-2				
top	mid./left	mid./mid.	mid./right	bottom
3			3	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
1.5...16mm <sup>2</sup>			1.5...10mm <sup>2</sup>	
2.5Nm			2.5Nm	
M 6			M 6	
19mm			19mm	
Poles	3			
Tightening torque (clamping screw for copper conductors)	2.5 Nm (1.5 mm <sup>2</sup> )			
Tightening torque (clamping screw for aluminium conductors)	4 Nm (16 mm <sup>2</sup> )			
Note				

Type	Qty.	Order No.
WPD 301 2X25/2X16 3XGY	2	1561130000
Note		

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000

### WPD 401

Main line branch terminals



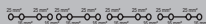
81.5 / 49.3 / 55.7

1000 V AC

1000 V DC

152 A

V-0



IEC 60947-7-1, IEC 61238-1, VDE 0603-2

top	mid./left	mid./mid.	mid./right	bottom
4			4	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
1.5...16mm <sup>2</sup>			1.5...10mm <sup>2</sup>	

2.5Nm			2.5Nm	
M 6			M 6	
19mm			19mm	

top	mid./left	mid./mid.	mid./right	bottom
4			4	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
1.5...16mm <sup>2</sup>			1.5...10mm <sup>2</sup>	
2.5Nm			2.5Nm	
M 6			M 6	
19mm			19mm	

4

2.5 Nm (1.5 mm<sup>2</sup>)

4 Nm (16 mm<sup>2</sup>)

Type	Qty.	Order No.
WPD 401 2X25/2X16 3XGY/1XBL	1	1562130000
WPD 401 2X25/2X16 4XGY	1	1561800000

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000

### WPD 501

Main line branch terminals



88.8 / 49.3 / 55.7

1000 V AC

1000 V DC

152 A

V-0



IEC 60947-7-1, IEC 61238-1, VDE 0603-2

top	mid./left	mid./mid.	mid./right	bottom
5			5	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
1.5...16mm <sup>2</sup>			1.5...10mm <sup>2</sup>	

2.5Nm			2.5Nm	
M 6			M 6	
19mm			19mm	

top	mid./left	mid./mid.	mid./right	bottom
5			5	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
2.5...25mm <sup>2</sup>			2.5...16mm <sup>2</sup>	
1.5...16mm <sup>2</sup>			1.5...10mm <sup>2</sup>	
2.5Nm			2.5Nm	
M 6			M 6	
19mm			19mm	

5

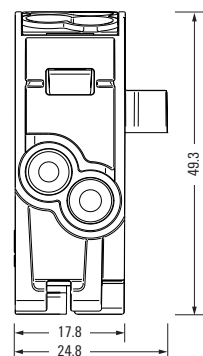
2.5 Nm (1.5 mm<sup>2</sup>)

4 Nm (16 mm<sup>2</sup>)

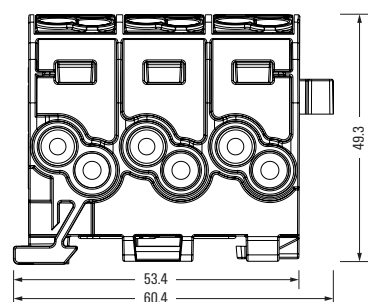
Type	Qty.	Order No.
WPD 501 2X25/2X16 1XGN/3XGY/1XBL	1	1562140000
WPD 501 2X25/2X16 5XGY	1	1561750000

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000

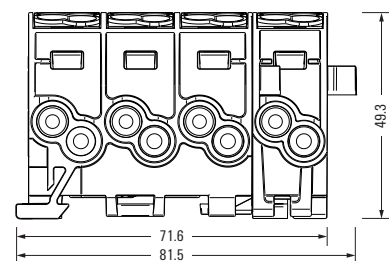
### WPD 101



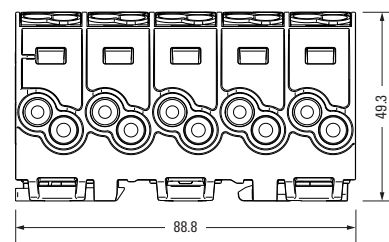
### WPD 301



### WPD 401



### WPD 501



**Power distribution**  
**Screw connection**



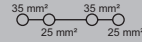
**WPD 102**

**Main line branch terminals**



Width/Depth/Height
Rated AC voltage
Rated DC voltage
Rated current
UL 94 flammability rating

22.2 / 49.3 / 55.4
1000 V AC
1000 V DC
202 A
V-0



**Technical data**

Inputs	
Number of connections	
Solid	
Stranded	
Flexible with ferrule	
Ribbon cable	
Torque	
Clamping screw	
Stripping length	
Outputs	
Number of connections	
Solid	
Stranded	
Flexible with ferrule	
Torque	
Clamping screw	
Stripping length	
Poles	
Tightening torque (clamping screw for copper conductors)	
Tightening torque (clamping screw for aluminium conductors)	

IEC 60947-7-1, IEC 61238-1, VDE 0603-2				
top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8		M 6	
	22mm		18mm	
top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8		M 6	
	22mm		18mm	
	1			
	3.5 Nm (35 mm <sup>2</sup> ) / 2.5 Nm (25 mm <sup>2</sup> )			
	8 Nm (35 mm <sup>2</sup> ) / 4 Nm (25 mm <sup>2</sup> )			

**Note**

**Ordering data**

Version
blue
grey
brown
green
black

Type	Qty.	Order No.
WPD 102 2X35/2X25 BL	5	1561640000
WPD 102 2X35/2X25 GY	5	1561680000
WPD 102 2X35/2X25 BN	5	1561650000
WPD 102 2X35/2X25 GN	5	1561670000
WPD 102 2X35/2X25 BK	5	1561630000

**Note**

**Accessories**

Screwdriver
Standard
Standard

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000

For detailed information on other accessories and application in the online catalogue

**WPD 202**

**Main line branch terminals**



44.4 / 49.3 / 55.4
1000 V AC
1000 V DC
202 A
V-0



IEC 60947-7-1, IEC 61238-1, VDE 0603-2				
top	mid./left	mid./mid.	mid./right	bottom
	2		2	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8		M 6	
	22mm		18mm	
top	mid./left	mid./mid.	mid./right	bottom
	2		2	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8		M 6	
	22mm		18mm	
	2			
	3.5 Nm (35 mm <sup>2</sup> ) / 2.5 Nm (25 mm <sup>2</sup> )			
	8 Nm (35 mm <sup>2</sup> ) / 4 Nm (25 mm <sup>2</sup> )			

**Note**

Type	Qty.	Order No.
WPD 202 4x35/4x25 BL	2	1561700000
WPD 202 4x35/4x25 GY	2	1561730000
WPD 202 4x35/4x25 BN	2	1561720000
WPD 202 4x35/4x25 GN	2	1561620000
WPD 202 4x35/4x25 BK	2	1561690000

**Note**

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000

For detailed information on other accessories and application in the online catalogue

### WPD 302

Main line branch terminals



66.6 / 49.3 / 55.4  
1000 V AC  
1000 V DC  
202 A  
V-0



IEC 60947-7-1, IEC 61238-1, VDE 0603-2

top	mid./left	mid./mid.	mid./right	bottom
3			3	
4...35mm <sup>2</sup>			2.5...25mm <sup>2</sup>	
4...35mm <sup>2</sup>			2.5...25mm <sup>2</sup>	
2.5...25mm <sup>2</sup>			1.5...16mm <sup>2</sup>	
3.5Nm			2.5Nm	
M 8				
22mm			18mm	
top	mid./left	mid./mid.	mid./right	bottom
3			3	
4...35mm <sup>2</sup>			2.5...25mm <sup>2</sup>	
4...35mm <sup>2</sup>			2.5...25mm <sup>2</sup>	
2.5...25mm <sup>2</sup>			1.5...16mm <sup>2</sup>	
3.5Nm			2.5Nm	
M 8				
22mm			18mm	
3				
3.5 Nm (35 mm <sup>2</sup> ) / 2.5 Nm (25 mm <sup>2</sup> )				
8 Nm (35 mm <sup>2</sup> ) / 4 Nm (25 mm <sup>2</sup> )				

Type	Qty.	Order No.
WPD 302 2X35/2X25 3XGY	2	1561740000

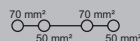
Type	current	Qty.	Order No.
SDK PZ2		1	9008540000

### WPD 103

Main line branch terminals



32.8 / 53.3 / 63  
1000 V AC  
1000 V DC  
300 A  
V-0



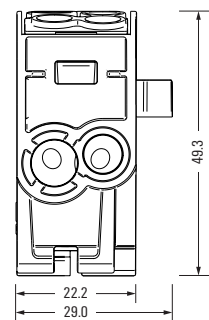
IEC 60947-7-1, IEC 61238-1, VDE 0603-2

top	mid./left	mid./mid.	mid./right	bottom
1			1	
10...70mm <sup>2</sup>			6...50mm <sup>2</sup>	
10...70mm <sup>2</sup>			6...50mm <sup>2</sup>	
6...50mm <sup>2</sup>			4...35mm <sup>2</sup>	
10Nm			6Nm	
M 10			M 8	
25mm			20mm	
top	mid./left	mid./mid.	mid./right	bottom
1			1	
10...70mm <sup>2</sup>			6...50mm <sup>2</sup>	
10...70mm <sup>2</sup>			6...50mm <sup>2</sup>	
6...50mm <sup>2</sup>			4...35mm <sup>2</sup>	
10Nm			6Nm	
			M 8	
25mm			20mm	
1				
10 Nm (70 mm <sup>2</sup> ) / 6 Nm (50 mm <sup>2</sup> )				
4 Nm (25 mm <sup>2</sup> ) / 8 Nm (35 mm <sup>2</sup> ) / 10 Nm (50 mm <sup>2</sup> ) / 18 Nm (70 mm <sup>2</sup> )				

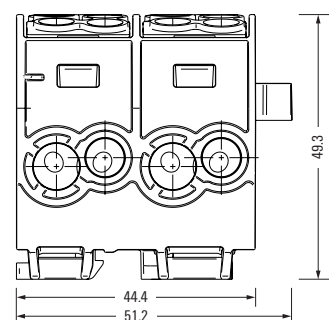
Type	Qty.	Order No.
WPD 103 2X70/2X50 BL	3	1561780000
WPD 103 2X70/2X50 GY	3	1561770000
WPD 103 2X70/2X50 BN	3	1561820000
WPD 103 2X70/2X50 GN	3	1561790000
WPD 103 2X70/2X50 BK	3	1561830000

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	9008870000

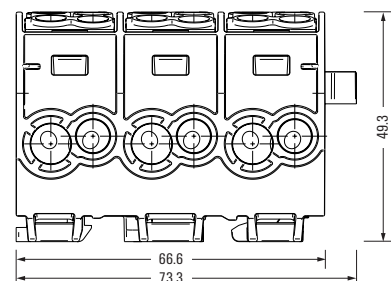
### WPD 102



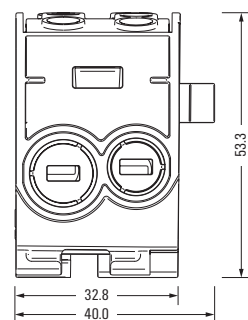
### WPD 202



### WPD 302



### WPD 103



**Power distribution**  
**Screw connection**



**WPD 100**

Sub-distributor block



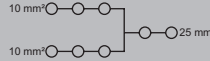
**WPD 104**

Phase distributor block

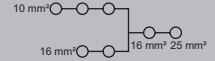


Width/Depth/Height  
Rated AC voltage  
Rated DC voltage  
Rated current  
UL 94 flammability rating

28 / 49 / 55.4  
690 V AC  
690 V DC  
100 A  
V-0



31.5 / 49 / 68  
1000 V AC  
1000 V DC  
101 A  
V-0



**Technical data**

Inputs	
Number of connections	1
Solid	2.5...25mm <sup>2</sup>
Stranded	2.5...25mm <sup>2</sup>
Flexible with ferrule	1.5...16mm <sup>2</sup>
Ribbon cable	
Torque	3Nm
Clamping screw	M 6
Stripping length	17mm
Outputs	
Number of connections	3
Solid	1.5...10mm <sup>2</sup>
Stranded	1.5...10mm <sup>2</sup>
Flexible with ferrule	1.5...6mm <sup>2</sup>
Torque	2Nm
Clamping screw	M 5
Stripping length	9mm
Poles	1
Tightening torque (clamping screw for copper conductors)	3 Nm (25 mm <sup>2</sup> ) / 2 Nm (10 mm <sup>2</sup> )
Tightening torque (clamping screw for aluminium conductors)	4 Nm (16 mm <sup>2</sup> ) / 4 Nm (25 mm <sup>2</sup> )
<b>Note</b>	

IEC 60998-2-1

top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	2.5...25mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	3Nm		3Nm	
	M 6		M 6	
	17mm		17mm	
top	mid./left	mid./mid.	mid./right	bottom
3				3
1.5...10mm <sup>2</sup>				1.5...10mm <sup>2</sup>
1.5...10mm <sup>2</sup>				1.5...10mm <sup>2</sup>
1.5...6mm <sup>2</sup>				1.5...6mm <sup>2</sup>
2Nm				2Nm
M 5				M 5
9mm				9mm

IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
	1		1	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6		M 6	
	19mm		19mm	
top	mid./left	mid./mid.	mid./right	bottom
3				2
1.5...10mm <sup>2</sup>				1.5...16mm <sup>2</sup>
1.5...10mm <sup>2</sup>				1.5...16mm <sup>2</sup>
1.5...6mm <sup>2</sup>				1.5...16mm <sup>2</sup>
2Nm				2.5Nm
M 5				M 6
12mm				14mm

**Ordering data**

Version	
	blue
	grey
	green
<b>Note</b>	

Type	Qty.	Order No.
WPD 100 2X25/6X10 BL	3	1561920000
WPD 100 2X25/6X10 GY	3	1561910000
WPD 100 2X25/6X10 GN	3	1561930000

Type	Qty.	Order No.
WPD 104 1x25+1x16/2x16+3x10 BL	1	2518250000
WPD 104 1x25+1x16/2x16+3x10 GY	1	1562000000

**Accessories**

Cross-connection	
Screwdriver	
	Standard
	Standard

Type	current	Qty.	Order No.
SDK PZ2		1	9008540000

Type	current	Qty.	Order No.
WQB WPD X04/2		20	1561980000
WQB WPD X04/3		20	1561990000
SDK PZ2		1	9008540000
SKS 2,0-8,0 MR		1	9008870000

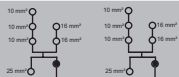
For detailed information on other accessories and application in the online catalogue

### WPD 204

Phase distributor block



63 / 49 / 68  
1000 V AC  
1000 V DC  
101 A  
V-0



IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
2				
2.5...25mm <sup>2</sup>				
2.5...25mm <sup>2</sup>				
1.5...16mm <sup>2</sup>				
M 6				
19mm				
top	mid./left	mid./mid.	mid./right	bottom
6		4		
1.5...10mm <sup>2</sup>		1.5...16mm <sup>2</sup>		
1.5...10mm <sup>2</sup>		1.5...16mm <sup>2</sup>		
1.5...6mm <sup>2</sup>		1.5...16mm <sup>2</sup>		
2Nm		2.5Nm		
M 5		M 6		
12mm		14mm		
2				
2.5 Nm (25 mm <sup>2</sup> ) / 2 Nm (10 mm <sup>2</sup> )				
5.1 Nm (10 mm <sup>2</sup> )				

Type	Qty.	Order No.
WPD 204 2X25/4X16+6X10 2XBL	1	2518330000
WPD 204 2X25/4X16+6X10 2XGY	1	1562150000

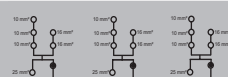
Type	current	Qty.	Order No.
WQB WPD X04/2	20	20	1561980000
WQB WPD X04/3	20	20	1561990000
SDK PZ2		1	9008540000
SKS 2,0-8,0 MR		1	9008870000

### WPD 304

Phase distributor block



94.5 / 49 / 68  
1000 V AC  
1000 V DC  
101 A  
V-0



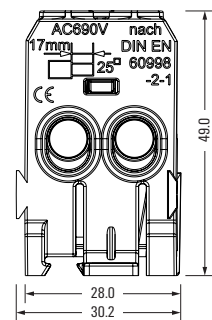
IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
3				
2.5...25mm <sup>2</sup>				
2.5...25mm <sup>2</sup>				
1.5...16mm <sup>2</sup>				
M 6				
19mm				
top	mid./left	mid./mid.	mid./right	bottom
9			6	
1.5...10mm <sup>2</sup>			1.5...16mm <sup>2</sup>	
1.5...10mm <sup>2</sup>			1.5...16mm <sup>2</sup>	
1.5...6mm <sup>2</sup>			1.5...16mm <sup>2</sup>	
2Nm			2.5Nm	
M 5			M 6	
12mm			14mm	
3				
2.5 Nm (25 mm <sup>2</sup> ) / 2 Nm (10 mm <sup>2</sup> )				
5.1 Nm (10 mm <sup>2</sup> )				

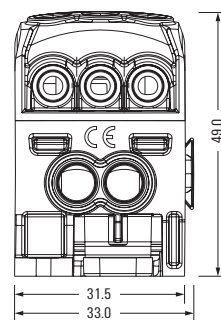
Type	Qty.	Order No.
WPD 304 3X25/6X16+9X10 3XBL	1	2518340000
WPD 304 3X25/6X16+9X10 3XGY	1	1562160000

Type	current	Qty.	Order No.
WQB WPD X04/2	20	20	1561980000
WQB WPD X04/3	20	20	1561990000
SDK PZ2		1	9008540000
SKS 2,0-8,0 MR		1	9008870000

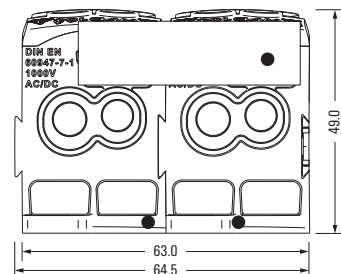
### WPD 100



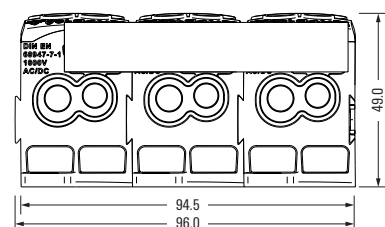
### WPD 104



### WPD 204



### WPD 304



**Power distribution**  
**Screw connection**



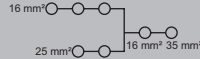
**WPD 105**

Phase distributor block



Width/Depth/Height
Rated AC voltage
Rated DC voltage
Rated current
UL 94 flammability rating

35.6 / 53.7 / 70
1000 V AC
1000 V DC
125 A
V-0



**Technical data**

<b>Inputs</b>	
Number of connections	1
Solid	4...35mm <sup>2</sup>
Stranded	4...35mm <sup>2</sup>
Flexible with ferrule	2.5...25mm <sup>2</sup>
Ribbon cable	
Torque	3.5Nm
Clamping screw	M 8
Stripping length	19mm
<b>Outputs</b>	
Number of connections	3
Solid	1.5...16mm <sup>2</sup>
Stranded	1.5...16mm <sup>2</sup>
Flexible with ferrule	1.5...16mm <sup>2</sup>
Torque	2.5Nm
Clamping screw	M 6
Stripping length	12mm
Poles	1
Tightening torque (clamping screw for copper conductors)	3.5 Nm (35 mm <sup>2</sup> ) / 2.5 Nm (25 mm <sup>2</sup> )
Tightening torque (clamping screw for aluminium conductors)	11.3...35 Nm (35 mm <sup>2</sup> ) / 5.1...16 Nm (16 mm <sup>2</sup> )
<b>Note</b>	

**Ordering data**

<b>Version</b>	
	blue
	grey
<b>Note</b>	

**Accessories**

<b>Cross-connection</b>	
<b>Screwdriver</b>	
Standard	
Standard	

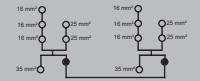
For detailed information on other accessories and application in the online catalogue

**WPD 205**

Phase distributor block



71.2 / 53.7 / 70
1000 V AC
1000 V DC
125 A
V-0



IEC 60947-7-1, UL 1059				
<b>top</b>	<b>mid./left</b>	<b>mid./mid.</b>	<b>mid./right</b>	<b>bottom</b>
	1		1	
	4...35mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	4...35mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...10mm <sup>2</sup>	
	3.5Nm		2.5Nm	
	M 8		M 6	
	19mm		19mm	
<b>top</b>				
<b>mid./left</b>	<b>mid./mid.</b>	<b>mid./right</b>	<b>bottom</b>	
	2		4	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	4...35mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 8		M 6	
	19mm		14mm	
<b>top</b>				
<b>mid./left</b>	<b>mid./mid.</b>	<b>mid./right</b>	<b>bottom</b>	
	6		4	
	1.5...16mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		2.5...25mm <sup>2</sup>	
	1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>	
	2.5Nm		2.5Nm	
	M 6			
	12mm		14mm	
<b>top</b>				
<b>mid./left</b>	<b>mid./mid.</b>	<b>mid./right</b>	<b>bottom</b>	
	2		2	
	3.5 Nm (35 mm <sup>2</sup> ) / 2.5 Nm (25 mm <sup>2</sup> )		3.5 Nm (35 mm <sup>2</sup> ) / 2.5 Nm (25 mm <sup>2</sup> )	
	11.3...35 Nm (35 mm <sup>2</sup> ) / 5.1...16 Nm (16 mm <sup>2</sup> )		11.3...35 Nm (35 mm <sup>2</sup> ) / 5.1...16 Nm (16 mm <sup>2</sup> )	
<b>Note</b>				

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WPD 205 2X35/4X25+6X16 2XB	1	2519470000
WPD 205 2X35/4X25+6X16 2XGY	1	1562180000
<b>Note</b>		

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQB WPD X05/2		20	1561960000
WQB WPD X05/3		20	1561970000
<b>top</b>			
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
SDK PZ2		1	9008540000
SKS 2,0-8,0 MR		1	9008870000

For detailed information on other accessories and application in the online catalogue

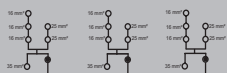


## WPD 305

Phase distributor block



106.8 / 53.7 / 70  
1000 V AC  
1000 V DC  
125 A  
V-0



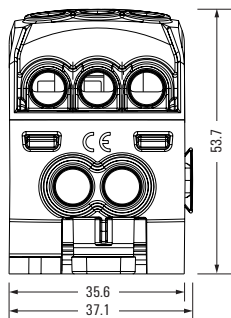
IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
				3
				4...35mm <sup>2</sup>
				4...35mm <sup>2</sup>
				2.5...25mm <sup>2</sup>
				M 8
				19mm
top	mid./left	mid./mid.	mid./right	bottom
				9
				6
				1.5...16mm <sup>2</sup>
				2.5...25mm <sup>2</sup>
				1.5...16mm <sup>2</sup>
				1.5...16mm <sup>2</sup>
				2.5Nm
				2.5Nm
				M 6
				12mm
				14mm
				3
				3.5 Nm (35 mm <sup>2</sup> ) / 2.5 Nm (25 mm <sup>2</sup> )
				11.3...35 Nm (35 mm <sup>2</sup> ) / 5.1...16 Nm (16 mm <sup>2</sup> )

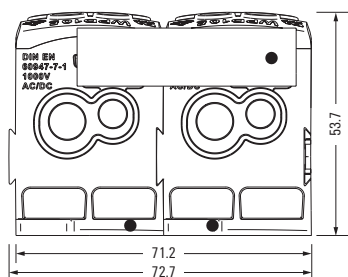
Type	Qty.	Order No.
WPD 305 3X35/6X25+9X16 3XBL	1	2521770000
WPD 305 3X35/6X25+9X16 3XGY	1	1562190000

Type	current	Qty.	Order No.
WQB WPD X05/2		20	1561960000
WQB WPD X05/3		20	1561970000
SDK PZ2		1	9008540000
SKS 2,0-8,0 MR		1	9008870000

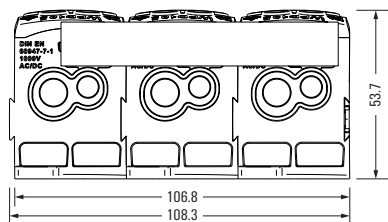
## WPD 105



## WPD 205



## WPD 305



B



**Power distribution**  
**Screw connection**



**WPD 106**

Phase distributor block



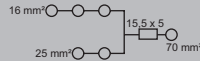
**WPD 107**

Phase distributor block

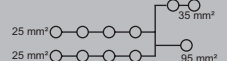


Width/Depth/Height
Rated AC voltage
Rated DC voltage
Rated current
UL 94 flammability rating

39.5 / 50.4 / 74.5
1000 V AC
1000 V DC
192 A
V-0



51 / 54.5 / 73
1000 V AC
1000 V DC
232 A
V-0



**Technical data**

<b>Inputs</b>	
Number of connections	
Solid	
Stranded	
Flexible with ferrule	
Ribbon cable	
Torque	
Clamping screw	
Stripping length	
<b>Outputs</b>	
Number of connections	
Solid	
Stranded	
Flexible with ferrule	
Torque	
Clamping screw	
Stripping length	
Poles	
Tightening torque (clamping screw for copper conductors)	
Tightening torque (clamping screw for aluminium conductors)	

IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
		1		1
		10...70mm <sup>2</sup>		
		10...70mm <sup>2</sup>		
		6...50mm <sup>2</sup>		
			15.5 x 5 mm	
		10Nm		2Nm
		M 10 x 1		M 5 x 20
		17mm		17mm
top	mid./left	mid./mid.	mid./right	bottom
3		4		2
1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>		2.5...25mm <sup>2</sup>
1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>		2.5...25mm <sup>2</sup>
1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>
2Nm		2Nm		2Nm
M 6 x 8		M 6 x 8		M 6 x 8
12mm		12mm		12mm
Poles				
1				
10 Nm (70 mm <sup>2</sup> ) / 2 Nm (25 mm <sup>2</sup> )				
13.6...5.1 Nm (25 mm <sup>2</sup> ) / 5.1 Nm (25 mm <sup>2</sup> )				

IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
	1	1	1	
	4...35mm <sup>2</sup>	16...95mm <sup>2</sup>	4...35mm <sup>2</sup>	
	4...35mm <sup>2</sup>	16...95mm <sup>2</sup>	4...35mm <sup>2</sup>	
	2.5...25mm <sup>2</sup>	10...70mm <sup>2</sup>	2.5...25mm <sup>2</sup>	
		3.5Nm	14Nm	3.5Nm
		M 8	M 12	M 8
		12mm	14mm	12mm
top	mid./left	mid./mid.	mid./right	bottom
4		4		4
2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>		2.5...25mm <sup>2</sup>
2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>		2.5...25mm <sup>2</sup>
1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>
2.5Nm		2Nm		2.5Nm
M 6		M 6 x 8		M 6
12mm		12mm		12mm
Poles				
1				
3.5 Nm (35 mm <sup>2</sup> ) / 14 Nm (95 mm <sup>2</sup> ) / 2.5 Nm (25 mm <sup>2</sup> )				
22.6...9.5 Nm (95 mm <sup>2</sup> ) / 11.3...3.5 Nm (35 mm <sup>2</sup> ) / 5.1...2.5 Nm (25 mm <sup>2</sup> )				

**Note**

**Ordering data**

<b>Version</b>	
	blue
	grey
<b>Note</b>	

Type	Qty.	Order No.
WPD 106 1X70/2X25+3X16 BL	1	2518570000
WPD 106 1X70/2X25+3X16 GY	1	1562210000

Type	Qty.	Order No.
WPD 107 1X95/2X35+8X25 BL	1	2521730000
WPD 107 1X95/2X35+8X25 GY	1	1562220000

**Accessories**

<b>Screwdriver</b>	
	Standard
	Standard

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	9008870000

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	9008870000
SDK PZ2		1	9008540000

For detailed information on other accessories and application in the online catalogue

### WPD 108

Phase distributor block



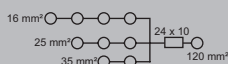
51.1 / 77 / 95

1000 V AC

1500 V DC

250 A

V-0



IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
		1		1
		35...120mm <sup>2</sup>		
		35...120mm <sup>2</sup>		
		25...95mm <sup>2</sup>		
			24 x 10 mm	
		19Nm	3Nm	
		M 14 x 1	M 6 x 30	
		27mm	22mm	
top	mid./left	mid./mid.	mid./right	bottom
3		4		2
2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>		4...35mm <sup>2</sup>
2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>		4...35mm <sup>2</sup>
1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>		2.5...25mm <sup>2</sup>
2Nm		2Nm		2.5Nm
M 6 x 8		M 6 x 8		M 8 x 10
12mm		12mm		18mm

1

19...120 Nm (120 mm<sup>2</sup>) / 2...25 Nm (25 mm<sup>2</sup>) / 2.5...35 Nm (35 mm<sup>2</sup>)

22.6...120 Nm (120 mm<sup>2</sup>) / 11.3...35 Nm (35 mm<sup>2</sup>) / 5.1...25 Nm (25 mm<sup>2</sup>)

Type	Qty.	Order No.
WPD 108 1X120/2X35+3X25+4X16 BL	1	2519480000
WPD 108 1X120/2X35+3X25+4X16 GY	1	1562100000

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	9008870000

### WPD 109

Phase distributor block



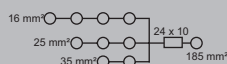
51.1 / 77 / 95

1000 V AC

1500 V DC

353 A

V-0



IEC 60947-7-1, UL 1059

top	mid./left	mid./mid.	mid./right	bottom
		1		1
		95...185mm <sup>2</sup>		
		70...185mm <sup>2</sup>		
		70...150mm <sup>2</sup>		
			24 x 10 mm	
		19Nm	3Nm	
		M 14 x 1	M 6 x 30	
		27mm	22mm	
top	mid./left	mid./mid.	mid./right	bottom
3		4		2
2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>		4...35mm <sup>2</sup>
2.5...25mm <sup>2</sup>		1.5...16mm <sup>2</sup>		4...35mm <sup>2</sup>
1.5...16mm <sup>2</sup>		1.5...16mm <sup>2</sup>		2.5...25mm <sup>2</sup>
2Nm		2Nm		2.5Nm
M 6 x 8		M 6 x 8		M 8 x 10
12mm		12mm		18mm

1

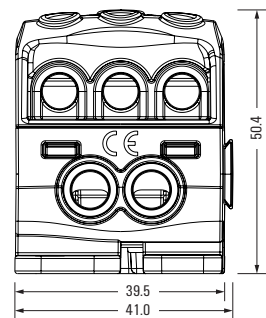
19 Nm (185 mm<sup>2</sup>) / 2 Nm (25 mm<sup>2</sup>) / 2.5 Nm (35 mm<sup>2</sup>)

22.59 Nm (25 mm<sup>2</sup>) / 5...11.29 Nm (16 mm<sup>2</sup>)

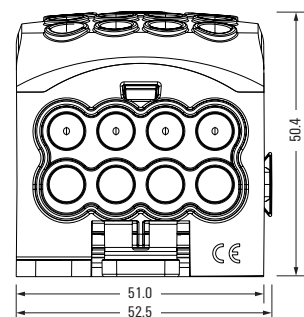
Type	Qty.	Order No.
WPD 109 1X185/2X35+3X25+4X16 BL	1	2519490000
WPD 109 1X185/2X35+3X25+4X16 GY	1	1562090000

Type	current	Qty.	Order No.
SKS 2,0-8,0 MR		1	9008870000

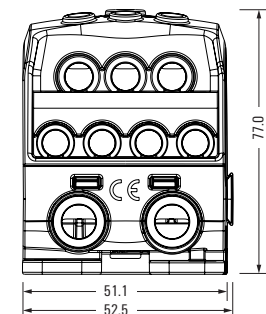
### WPD 106



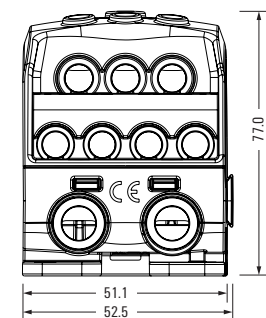
### WPD 107



### WPD 108



### WPD 109



Socket wides - overview WPD

	WPD 104	WPD 105	WPD 106	WPD 107	WPD 108	WPD109
<b>Inputs</b>						
Main connection point ["A"]	SW 3 (M6x10)	SW 4 (M8x12)	SW 5 (M10x1x12)	SW 6 (M12x16)	SW 6 (M14x1,5x18)	SW 6 (M14x1,5x18)
Second connection point / cross connection ["B"]	Pozi 2 (M6x11)	Pozi 2 (M6x11)				
Connection input or output with 2 x 35mm <sup>2</sup>				SW 4 (M8x12)		
Ribbon cable connection 15.5 x 5 mm			SW 4 (M5x20)			
Ribbon cable connection 24 x 10 mm					SW 5 (M6x30)	SW 5 (M6x30)
<b>Outputs</b>						
2 x 16 mm <sup>2</sup>	SW 3 (M6x8)					
3 x 10 mm <sup>2</sup>	SW 2,5 (M5x8)					
2 x 25 mm <sup>2</sup>		SW 3 (M6x10)	SW 3 (M6x8)			
3 x 16 mm <sup>2</sup>		SW 3 (M6x8)	SW 3 (M6x8)			
8 x 25 mm <sup>2</sup>				SW 3 (M6x10)		
2 x 35 mm <sup>2</sup>					SW 4 (M8x10)	SW 4 (M8x10)
3 x 25 mm <sup>2</sup>					SW 3 (M6x8)	SW 3 (M6x8)
4 x 16 mm <sup>2</sup>					SW 3 (M6x8)	SW 3 (M6x8)



	WPD 130	WPD 230	WPD 330	WPD 131	WPD 231	WPD 132	WPD 232	WPD 133	WPD 233
<b>Inputs</b>									
1 x 50 mm <sup>2</sup>	SW 5 (M10x1,25)								
2 x 50 mm <sup>2</sup>		SW 5 (M10x1,25)							
3 x 50 mm <sup>2</sup>			SW 5 (M10x1,25)						
1 x 95 mm <sup>2</sup>				SW 6 (M14x1,5)					
2 x 95 mm <sup>2</sup>					SW 6 (M14x1,5)				
1 x 185 mm <sup>2</sup>						SW 10 (M18x2)			
2 x 185 mm <sup>2</sup>							SW 10 (M18x2)		
1 x 300 mm <sup>2</sup>								SW 12 (M24x2)	
2 x 300 mm <sup>2</sup>									SW 12 (M24x2)
<b>Outputs</b>									
1 x 50 mm <sup>2</sup>	SW 5 (M10x1,25)								
2 x 50 mm <sup>2</sup>		SW 5 (M10x1,25)							
3 x 50 mm <sup>2</sup>			SW 5 (M10x1,25)						
1 x 95 mm <sup>2</sup>				SW 6 (M14x1,5)					
2 x 95 mm <sup>2</sup>					SW 6 (M14x1,5)				
1 x 185 mm <sup>2</sup>						SW 10 (M18x2)			
2 x 185 mm <sup>2</sup>							SW 10 (M18x2)		
1 x 300 mm <sup>2</sup>								SW 12 (M24x2)	
2 x 300 mm <sup>2</sup>									SW 12 (M24x2)

	WPD 101	WPD 301	WPD 401	WPD 501	WPD 102	WPD 202	WPD 302	WPD 103
<b>Inputs</b>								
1 x 16 mm <sup>2</sup>	cross recess+/- G2 (M6)							
1 x 25 mm <sup>2</sup>	cross recess+/- G2 (M6)				cross recess+/- G2 (M6)			
2 x 25 mm <sup>2</sup>						cross recess+/- G2 (M6)		
3 x 16 mm <sup>2</sup>		cross recess+/- G2 (M6)						
3 x 25 mm <sup>2</sup>		cross recess+/- G2 (M6)					cross recess+/- G2 (M6)	
4 x 16 mm <sup>2</sup>			cross recess+/- G2 (M6)					
4 x 25 mm <sup>2</sup>			cross recess+/- G2 (M6)					
5 x 16 mm <sup>2</sup>				cross recess+/- G2 (M6)				
5 x 25 mm <sup>2</sup>				cross recess+/- G2 (M6)				
1 x 35 mm <sup>2</sup>					cross recess+/- G2 (M8)			
2 x 35 mm <sup>2</sup>						cross recess+/- G2 (M8)		
3 x 35 mm <sup>2</sup>							cross recess+/- G2 (M8)	
1 x 50 mm <sup>2</sup>								hexagonal recess SW4 (M8)
1 x 70 mm <sup>2</sup>								hexagonal recess SW4 (M10)
<b>Outputs</b>								
1 x 16 mm <sup>2</sup>	cross recess+/- G2 (M6)							
1 x 25 mm <sup>2</sup>	cross recess+/- G2 (M6)				cross recess+/- G2 (M6)			
2 x 25 mm <sup>2</sup>						cross recess+/- G2 (M6)		
3 x 16 mm <sup>2</sup>		cross recess+/- G2 (M6)						
3 x 25 mm <sup>2</sup>		cross recess+/- G2 (M6)					cross recess+/- G2 (M6)	
4 x 16 mm <sup>2</sup>			cross recess+/- G2 (M6)					
4 x 25 mm <sup>2</sup>			cross recess+/- G2 (M6)					
5 x 16 mm <sup>2</sup>				cross recess+/- G2 (M6)				
5 x 25 mm <sup>2</sup>				cross recess+/- G2 (M6)				
1 x 35 mm <sup>2</sup>					cross recess+/- G2 (M8)			
2 x 35 mm <sup>2</sup>						cross recess+/- G2 (M8)		
3 x 35 mm <sup>2</sup>							cross recess+/- G2 (M8)	
1 x 50 mm <sup>2</sup>								hexagonal recess SW4 (M8)
1 x 70 mm <sup>2</sup>								hexagonal recess SW4 (M10)



Conductor connection data WPD

Type	Input side										
	Copper					Aluminium					
	solid	stranded	Finely stranded with wire end ferrule	flat band	Tightening Torque	solid	stranded	flexible with ferrule	sector shape	Tightening Torque	
WPD 130/230/330		6-50 mm <sup>2</sup> 10 - 1/0 AWG	6-50 mm <sup>2</sup> 10 - 1/0 AWG	4-35 mm <sup>2</sup> 8 - 2 AWG		10 Nm 16,9 Nm	50 mm <sup>2</sup> 1/0 AWG	50 mm <sup>2</sup> 1/0 AWG	50 mm <sup>2</sup> 1/0 AWG	14 Nm	
		16 - 25 mm <sup>2</sup>	16 - 25 mm <sup>2</sup>	16 - 25 mm <sup>2</sup>		8-10 Nm	35 mm <sup>2</sup> 2 AWG	35 mm <sup>2</sup> 2 AWG	35 mm <sup>2</sup> 2 AWG	14 Nm	
		6 - 10 mm <sup>2</sup>	6 - 10 mm <sup>2</sup>	4 - 10 mm <sup>2</sup>		6-10 Nm	25 mm <sup>2</sup> 4 AWG	25 mm <sup>2</sup> 4 AWG	25 mm <sup>2</sup> 4 AWG	10 Nm	
		35 - 50 mm <sup>2</sup>	35 - 50 mm <sup>2</sup>	35 - 50 mm <sup>2</sup>		10 Nm	16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	10 Nm	
WPD 131/231		16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	10 - 70 mm <sup>2</sup> 8 - 2/0 AWG		19 Nm 22,6 Nm	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	22,6 Nm	
		50 - 95 mm <sup>2</sup>	50 - 95 mm <sup>2</sup>	35 - 70 mm <sup>2</sup>		19 Nm					
		16 - 35 mm <sup>2</sup>	16 - 35 mm <sup>2</sup>	10 - 25 mm <sup>2</sup>		14 Nm					
WPD 132/232		95 - 185 mm <sup>2</sup> 3/0 AWG - 350 kcmil	95 - 185 mm <sup>2</sup> 3/0 AWG - 350 kcmil	70 - 150 mm <sup>2</sup> 2/0 AWG - 300 kcmil		25 Nm 28,2 Nm	95 - 185 mm <sup>2</sup> 3/0 AWG - 350 kcmil	95 - 185 mm <sup>2</sup> 3/0 AWG - 350 kcmil	95 - 185 mm <sup>2</sup> 3/0 AWG - 350 kcmil	45 Nm	
				25-50 mm <sup>2</sup>		20 Nm					
WPD 133/233		150 - 300 mm <sup>2</sup> 300 - 600 kcmil	150 - 300 mm <sup>2</sup> 300 - 600 kcmil	120 - 240 mm <sup>2</sup> 250 - 500 kcmil	-	45 Nm 33,9 Nm	150 - 300 mm <sup>2</sup> 300 - 600 kcmil	150 - 300 mm <sup>2</sup> 300 - 600 kcmil	150 - 300 mm <sup>2</sup> 300 - 600 kcmil	65 Nm	
				35-95 mm <sup>2</sup>		30 Nm					
WPD x01	2 x 25 mm <sup>2</sup>	2,5 - 25 mm <sup>2</sup> 14 - 6 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	1,5 mm <sup>2</sup> - 16 mm <sup>2</sup> 14 - 4 AWG	-	2,5 Nm 22,1 LB In.	25 mm <sup>2</sup> 4 AWG	25 mm <sup>2</sup> 4 AWG	25 mm <sup>2</sup> 4 AWG	4 Nm 35 LB In.	
	2 x 16 mm <sup>2</sup>	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 10 mm <sup>2</sup> 14 - 4 AWG		2,5 Nm 22,1 LB In.	16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	4 Nm 35 LB In.	
WPD x02	2 x 35 mm <sup>2</sup>	4 - 35 mm <sup>2</sup> 12 - 2 AWG	4 - 35 mm <sup>2</sup> 12 - 2 AWG	2,5 - 25 mm <sup>2</sup> 12 - 2 AWG		3,5 Nm 31 LB In.	16 - 35 mm <sup>2</sup> 6 - 2 AWG	16 - 35 mm <sup>2</sup> 6 - 2 AWG	16 - 35 mm <sup>2</sup> 6 - 2 AWG	4 - 8 Nm 35 - 70,8 LB In.	
	2 x 25 mm <sup>2</sup>	2,5 - 25 mm <sup>2</sup> 14 - 6 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	1,5 mm <sup>2</sup> - 16 mm <sup>2</sup> 14 - 6 AWG		3,5 Nm 22,1 LB In.	16 - 25 mm <sup>2</sup> 4 - 6 AWG	16 - 25 mm <sup>2</sup> 4 - 6 AWG	16 - 25 mm <sup>2</sup> 4 - 6 AWG	4 - 6 Nm 35 - 53 LB In.	
WPD x03	2 x 70 mm <sup>2</sup>	10 - 70 mm <sup>2</sup> 8 - 6 AWG	10 - 70 mm <sup>2</sup> 8 - 2/0 AWG	6 - 50 mm <sup>2</sup> 10 - 1/0 AWG	-	10 Nm 88,5 LB In.	25 - 70 mm <sup>2</sup> 4 - 2/0 AWG	25 - 70 mm <sup>2</sup> 4 - 2/0 AWG	25 - 70 mm <sup>2</sup> 4 - 2/0 AWG	6 - 18 Nm 53 - 159 LB In.	
	2 x 50 mm <sup>2</sup>	6 - 50 mm <sup>2</sup> 10 - 1/0 AWG	6 - 50 mm <sup>2</sup> 10 - 1/0 AWG	4 - 35 mm <sup>2</sup> 12 - 2 AWG	-	6 Nm 53,1 LB In.	16 - 50 mm <sup>2</sup> 6 - 1/0 AWG	16 - 50 mm <sup>2</sup> 6 - 1/0 AWG	16 - 50 mm <sup>2</sup> 6 - 1/0 AWG	4 - 10 Nm 35 - 88,5 LB In.	
WPD x04	1 x 25 mm <sup>2</sup>	2,5 - 25 mm <sup>2</sup> 14 - 6 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG		2,5 Nm	16 - 25 mm <sup>2</sup> 6 - 4 AWG	16 - 25 mm <sup>2</sup> 6 - 4 AWG	16 mm <sup>2</sup> 6 AWG	16 - 25 mm <sup>2</sup> 6 - 4 AWG	5,1 Nm
	1 x 16 mm <sup>2</sup>	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 10 mm <sup>2</sup> 16 - 8 AWG			16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	5,1 Nm	
WPD x05	1x 35 mm <sup>2</sup>	4 - 35 mm <sup>2</sup> 12 - 2 AWG	4 - 35 mm <sup>2</sup> 12 - 2 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG		3,5 Nm	16 - 35 mm <sup>2</sup> 6 - 2 AWG	16 - 35 mm <sup>2</sup> 6 - 2 AWG	16 - 25 mm <sup>2</sup> 6 - 4 AWG	16 - 35 mm <sup>2</sup> 6 - 2 AWG	11,3 Nm
	1 x 16 mm <sup>2</sup>	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 10 mm <sup>2</sup> 16 - 8 AWG		2,5 Nm	16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	5,1	
WPD x06	1 x 70 mm <sup>2</sup>	10 - 70 mm <sup>2</sup> 8 - 2/0 AWG	10 - 70 mm <sup>2</sup> 8 - 2/0 AWG	6 - 50 mm <sup>2</sup> 10 - 1/0 AWG		10 Nm	16 - 70 mm <sup>2</sup> 6 - 2/0 AWG	16 - 70 mm <sup>2</sup> 6 - 2/0 AWG	16 - 50 mm <sup>2</sup> 6 - 1/0 AWG	16 - 70 mm <sup>2</sup> 6 - 2/0 AWG	13,6 Nm
WPD x07	1 x 95 mm <sup>2</sup>	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	10 - 70 mm <sup>2</sup> 8 - 2/0 AWG		14 Nm	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	16 - 70 mm <sup>2</sup> 6 - 2/0 AWG	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	22,6 Nm
	2 x 35 mm <sup>2</sup>	4 - 35 mm <sup>2</sup> 12 - 2 AWG	4 - 35 mm <sup>2</sup> 12 - 2 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG		3,5 Nm	16 - 35 mm <sup>2</sup> 6 - 2 AWG	16 - 35 mm <sup>2</sup> 6 - 2 AWG	16 - 25 mm <sup>2</sup> 6 - 4 AWG	16 - 35 mm <sup>2</sup> 6 - 2 AWG	11,3 Nm
WPD x08	1 x 120 mm <sup>2</sup>	35 - 120 mm <sup>2</sup> 2 - 250 AWG	35 - 120 mm <sup>2</sup> 2 - 250 AWG	25 - 95 mm <sup>2</sup> 4 - 3/0 AWG		19 Nm	35 - 120 mm <sup>2</sup> 2 - 250 AWG	35 - 120 mm <sup>2</sup> 2 - 250 AWG	25 - 95 mm <sup>2</sup> 4 - 3/0 AWG	35 - 120 mm <sup>2</sup> 2 - 250 AWG	22,6 Nm
WPD x09	1x 185 mm <sup>2</sup>	95 - 185 mm <sup>2</sup> 3/0 - 350 AWG	95 - 185 mm <sup>2</sup> 3/0 - 350 AWG	70 - 150 mm <sup>2</sup> 2/0 - 300 AWG		19 Nm 25 Nm	Line 3/0 - 350 Kcmil	Line 3/0 - 350 Kcmil	Line 2/0 - 300 Kcmil	Line 3/0 - 350 Kcmil	-

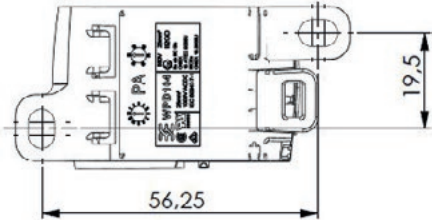
	Output side								Auxiliary connection				
	Copper				Aluminium				Tightening Torque	solid	stranded	Finely stranded with wire end ferrule	Tightening Torque
	solid	stranded	Finely stranded with wire end ferrule	Tightening Torque	solid	stranded	Finely stranded with wire end ferrule	sector shape					
	6 - 50 mm <sup>2</sup> 10 - 1/0 AWG	6 - 50 mm <sup>2</sup> 10 - 1/0 AWG	4 - 35 mm <sup>2</sup> 12 - 2 AWG	10 Nm 16,9 Nm	50 mm <sup>2</sup> 1/0 AWG	50 mm <sup>2</sup> 1/0 AWG		50 mm <sup>2</sup> 1/0 AWG	14 Nm				
					35 mm <sup>2</sup> 2 AWG	35 mm <sup>2</sup> 2 AWG	35 mm <sup>2</sup> 2 AWG	35 mm <sup>2</sup> 2 AWG	14 Nm				
					25 mm <sup>2</sup> 4 AWG	25 mm <sup>2</sup> 4 AWG	25 mm <sup>2</sup> 4 AWG	25 mm <sup>2</sup> 4 AWG	10 Nm				
					16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	10 Nm				
	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	16 - 95 mm <sup>2</sup> 6 - 3/0 AWG	10 - 70 mm <sup>2</sup> 8 - 2/0 AWG	19 Nm 22,6 Nm	16-95 mm <sup>2</sup> 6 - 3/0 AWG	16-95 mm <sup>2</sup> 6 - 3/0 AWG	10-70 mm <sup>2</sup> 8 - 2/0 AWG	16-95 mm <sup>2</sup> 6 - 3/0 AWG	22,6 Nm	1,5 - 10 mm <sup>2</sup> 16 - 8 AWG	1,5 - 6 mm <sup>2</sup> 16 - 10 AWG	1,2 Nm	
	95 - 185 mm <sup>2</sup> 3/0 AWG - 350 kcmil	95 - 185 mm <sup>2</sup> 3/0 AWG - 350 kcmil	70 - 150 mm <sup>2</sup> 2/0 AWG - 300 kcmil	25 Nm 28,2 Nm	95 - 185 mm <sup>2</sup> 3/0 AWG - 350 kcmil	95 - 185 mm <sup>2</sup> 3/0 AWG - 350 kcmil	70 - 150 mm <sup>2</sup> 2/0 AWG - 300 kcmil	95 - 185 mm <sup>2</sup> 3/0 AWG - 350 kcmil	45 Nm	1,5 - 10 mm <sup>2</sup> 16 - 8 AWG	1,5 - 10 mm <sup>2</sup> 16 - 8 AWG	1,5 - 6 mm <sup>2</sup> 16 - 10 AWG	1,2 Nm
	150 - 300 mm <sup>2</sup> 300 - 600 kcmil	150 - 300 mm <sup>2</sup> 300 - 600 kcmil	120 - 240 mm <sup>2</sup> 250 - 500 kcmil	45 Nm 33,9 Nm	150 - 300 mm <sup>2</sup> 300 - 600 kcmil	150 - 300 mm <sup>2</sup> 300 - 600 kcmil	120 - 240 mm <sup>2</sup> 250 - 500 kcmil	150 - 300 mm <sup>2</sup> 300 - 600 kcmil	65 Nm	1,5 - 10 mm <sup>2</sup> 16 - 8 AWG	1,5 - 10 mm <sup>2</sup> 16 - 8 AWG	1,5 - 6 mm <sup>2</sup> 16 - 10 AWG	1,2 Nm
2 x 25 mm <sup>2</sup>	2,5 - 16 mm <sup>2</sup> 14 - 6 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	1,5 mm <sup>2</sup> - 16 mm <sup>2</sup> 14 - 4 AWG	2,5 Nm 22,1 LB In.	25 mm <sup>2</sup> 4 AWG	25 mm <sup>2</sup> 4 AWG	1,5 mm <sup>2</sup> - 16 mm <sup>2</sup> 14 - 4 AWG	25 mm <sup>2</sup> 4 AWG	4 Nm 35 LB In.				
2 x 16 mm <sup>2</sup>	2,5 - 16 mm <sup>2</sup> 14 - 6 AWG	2,5 - 16 mm <sup>2</sup> 14 - 6 AWG	1,5 - 10 mm <sup>2</sup> 14 - 4 AWG	2,5 Nm 22,1 LB In.	16 mm <sup>2</sup> 6 AWG	16 mm <sup>2</sup> 6 AWG	1,5 - 10 mm <sup>2</sup> 14 - 4 AWG	16 mm <sup>2</sup> 6 AWG	4 Nm 35 LB In.				
	4 - 16 mm <sup>2</sup> 12 - 6 AWG	4 - 35 mm <sup>2</sup> 12 - 2 AWG	2,5 - 25 mm <sup>2</sup> 12 - 2 AWG	3,5 Nm 31 LB In.	16 - 35 mm <sup>2</sup> 6 - 2 AWG	16 - 35 mm <sup>2</sup> 6 - 2 AWG	2,5 - 25 mm <sup>2</sup> 12 - 2 AWG	16 - 35 mm <sup>2</sup> 6 - 2 AWG	4 - 8 Nm 35 - 70,8 LB In.				
	2,5 - 16 mm <sup>2</sup> 14 - 6 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	1,5 mm <sup>2</sup> - 16 mm <sup>2</sup> 14 - 4 AWG	3,5 Nm 22,1 LB In.	16 - 25 mm <sup>2</sup> 4 - 6 AWG	16 - 25 mm <sup>2</sup> 4 - 6 AWG	1,5 mm <sup>2</sup> - 16 mm <sup>2</sup> 14 - 4 AWG	16 - 25 mm <sup>2</sup> 4 - 6 AWG	4 - 6 Nm 35 - 53 LB In.				
	10 - 16 mm <sup>2</sup> 8 - 6 AWG	10 - 70 mm <sup>2</sup> 8 - 2/0 AWG	6 - 50 mm <sup>2</sup> 10 - 1/0 AWG	10 Nm 88,5 LB In.	25 - 70 mm <sup>2</sup> 4 - 2/0 AWG	25 - 70 mm <sup>2</sup> 4 - 2/0 AWG	6 - 50 mm <sup>2</sup> 10 - 1/0 AWG	25 - 70 mm <sup>2</sup> 4 - 2/0 AWG	6 - 18 Nm 53 - 159 LB In.				
	6 - 16 mm <sup>2</sup> 10 - 6 AWG	6 - 50 mm <sup>2</sup> 10 - 1/0 AWG	4 - 35 mm <sup>2</sup> 12 - 2 AWG	6 Nm 53,1 LB In.	16 - 50 mm <sup>2</sup> 6 - 1/0 AWG	16 - 50 mm <sup>2</sup> 6 - 1/0 AWG	4 - 35 mm <sup>2</sup> 12 - 2 AWG	16 - 50 mm <sup>2</sup> 6 - 1/0 AWG	4 - 10 Nm 35 - 88,5 LB In.				
2 x 16 mm <sup>2</sup>	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	2,5 Nm	2 x 16 mm <sup>2</sup> 16 mm <sup>2</sup> 6 AWG	2 x 16 mm <sup>2</sup> 16 mm <sup>2</sup> 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	16 mm <sup>2</sup> 6 AWG	5,1 Nm				
3 x 10 mm <sup>2</sup>	1,5 - 10 mm <sup>2</sup> 16 - 8 AWG	1,5 - 10 mm <sup>2</sup> 16 - 8 AWG	1,5 - 6 mm <sup>2</sup> 16 - 10 AWG	2 Nm	3 x 10 mm <sup>2</sup> -	3 x 10 mm <sup>2</sup> -	1,5 - 6 mm <sup>2</sup> 16 - 10 AWG	-	-				
2 x 25 mm <sup>2</sup>	2,5 - 16 mm <sup>2</sup> 14 - 6 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	2,5 Nm	2 x 25 mm <sup>2</sup> 16 - 25 mm <sup>2</sup> 6 - 4 AWG	2 x 25 mm <sup>2</sup> 16 - 25 mm <sup>2</sup> 6 - 4 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	16 - 25 mm <sup>2</sup> 6 - 4 AWG	5,1 Nm				
3 x 16 mm <sup>2</sup>	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	3 Nm	3 x 16 mm <sup>2</sup> 16 mm <sup>2</sup> 6 AWG	3 x 16 mm <sup>2</sup> 16 mm <sup>2</sup> 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	16 mm <sup>2</sup> 6 AWG					
2 x 25 mm <sup>2</sup>	2,5 - 16 mm <sup>2</sup> 14 - 6 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	2 Nm 3 Nm	2 x 25 mm <sup>2</sup> 16 - 25 mm <sup>2</sup> 6 - 4 AWG	2 x 25 mm <sup>2</sup> 16 - 25 mm <sup>2</sup> 6 - 4 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	16 - 25 mm <sup>2</sup> 6 - 4 AWG	5,1 Nm				
3 x 16 mm <sup>2</sup>	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	2 Nm 3 Nm	3 x 16 mm <sup>2</sup> 16 mm <sup>2</sup> 6 AWG	3 x 16 mm <sup>2</sup> 16 mm <sup>2</sup> 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	16 mm <sup>2</sup> 6 AWG					
8 x	2,5 - 16 mm <sup>2</sup> 14 - 6 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	2,5 Nm	8 x 16 - 25 mm <sup>2</sup> 6 - 4 AWG	8 x 16 - 25 mm <sup>2</sup> 6 - 4 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	16 - 25 mm <sup>2</sup> 6 - 4 AWG	5,1 Nm				
2 x 35 mm <sup>2</sup>	4 - 16 mm <sup>2</sup> 12 - 6 AWG	4 - 35 mm <sup>2</sup> 12 - 2 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	2,5 Nm 6 Nm	2 x 35 mm <sup>2</sup> 16 - 35 mm <sup>2</sup> 6 - 2 AWG	2 x 35 mm <sup>2</sup> 16 - 35 mm <sup>2</sup> 6 - 2 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	16 - 35 mm <sup>2</sup> 6 - 2 AWG	11,3				
4 x 16 mm <sup>2</sup>	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	2 Nm 3 Nm	4 x 16 mm <sup>2</sup> 16 mm <sup>2</sup> 6 AWG	4 x 16 mm <sup>2</sup> 16 mm <sup>2</sup> 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	16 mm <sup>2</sup> 6 AWG	5,1 Nm				
3 x 25 mm <sup>2</sup>	2,5 - 16 mm <sup>2</sup> 14 - 6 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	2 Nm 3 Nm	3 x 25 mm <sup>2</sup> 16 - 25 mm <sup>2</sup> 6 - 4 AWG	3 x 25 mm <sup>2</sup> 16 - 25 mm <sup>2</sup> 6 - 4 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	16 - 25 mm <sup>2</sup> 6 - 4 AWG	5,1 Nm				
2 x 35 mm <sup>2</sup>	4 - 16 mm <sup>2</sup> 12 - 6 AWG	4 - 35 mm <sup>2</sup> 12 - 2 AWG	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	2,5 Nm 6 Nm	-	-	2,5 - 25 mm <sup>2</sup> 14 - 4 AWG	-	-				
4 x 16 mm <sup>2</sup>	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	2 Nm 3 Nm			1,5 - 16 mm <sup>2</sup> 16 - 6 AWG						
3 x 25 mm <sup>2</sup>	2,5 - 16 mm <sup>2</sup> 14 - 6 AWG	2,5 - 25 mm <sup>2</sup> 14 - 24 AWG	1,5 - 16 mm <sup>2</sup> 16 - 6 AWG	2 Nm 3 Nm			1,5 - 16 mm <sup>2</sup> 16 - 6 AWG						



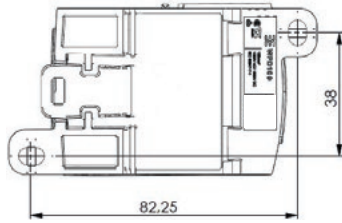
Power distribution / Power feed-in  
Screw connection

Mounting

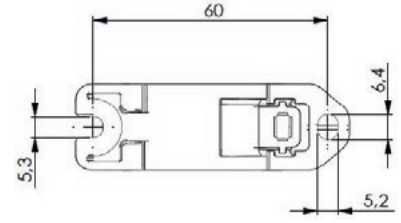
WPD 104



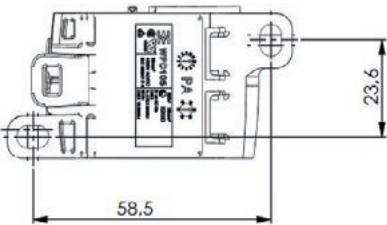
WPD 109



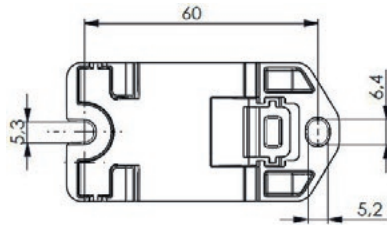
WPD 130



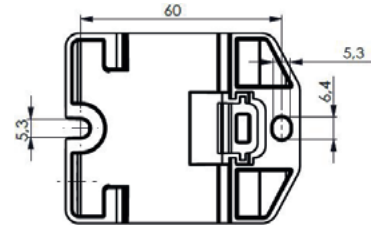
WPD 105



WPD 230



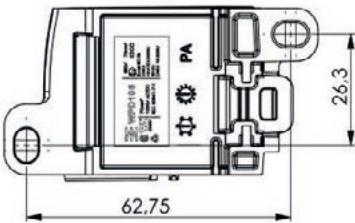
WPD 330



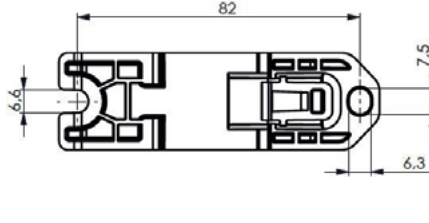
B



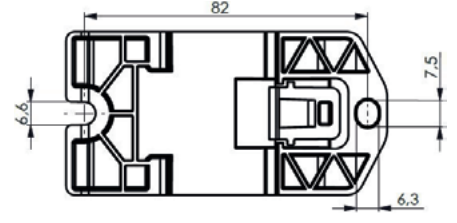
WPD 106



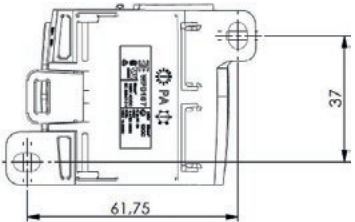
WPD 131



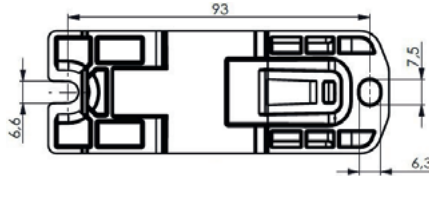
WPD 231



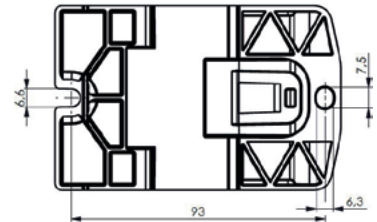
WPD 107



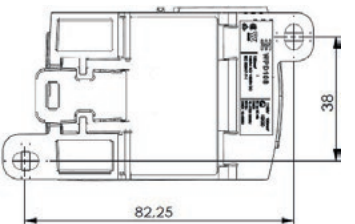
WPD 132



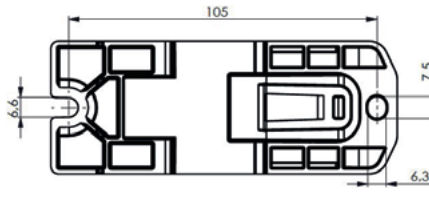
WPD 232



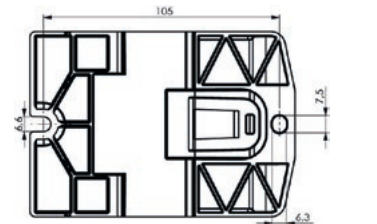
WPD 108



WPD 133



WPD 233







# The secure and efficient way of distributing power

## Klippon® Connect provides the required flexibility

Increasing levels of automation call for many three-phase motors to be attached as efficiently as possible. Thereby, all wires of a three-phase motor need to connect to a single terminal block, which is also used for potential distribution.



The Klippon® Connect motor connection terminal blocks AMC cut an impressive figure with their small design and the PUSH IN technology for the fast and safe wiring. Various marking options support distinctive marking.

Klippon® Connect motor connection terminal blocks AMC allow each potential to be connected to one tier of the terminal block. This potential connection within the terminal block provides reliable potential distribution.

B



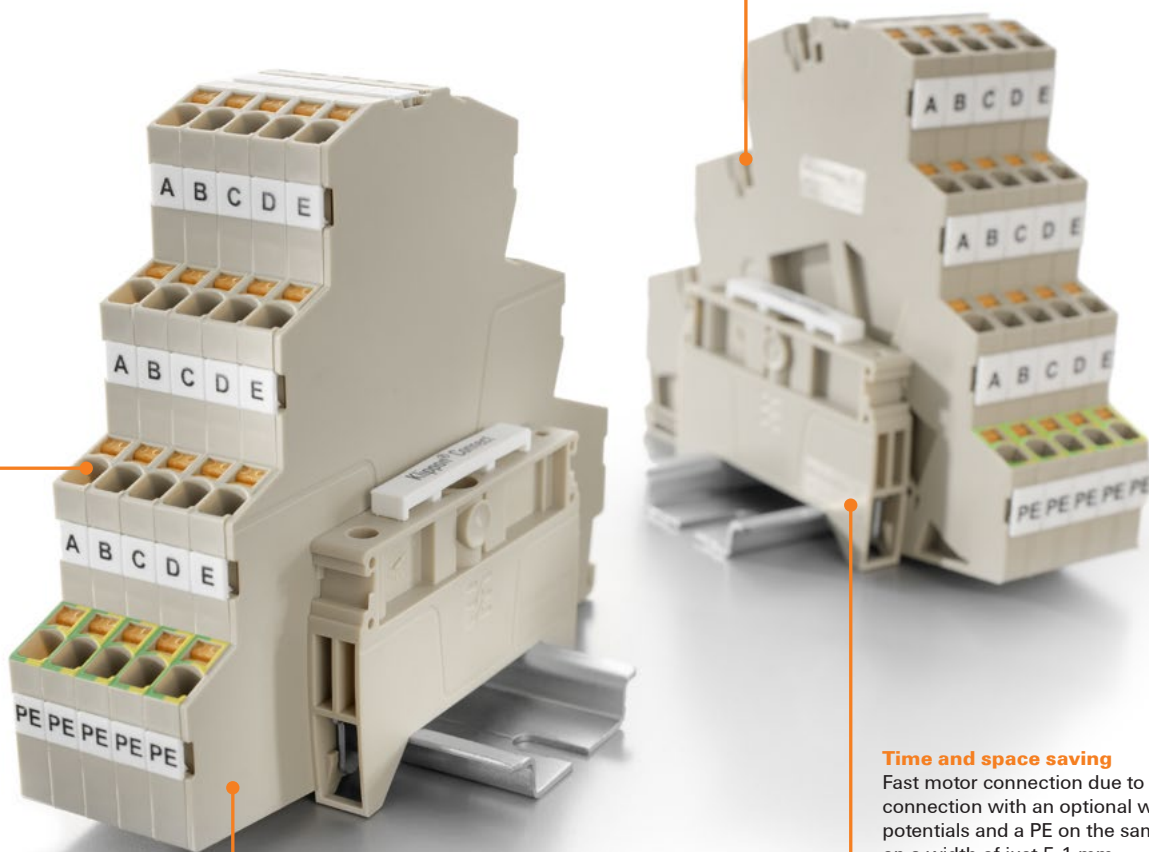
### Testing point on each tier

The terminal blocks allow the recording of control measurements on each tier directly through standard 2.0 mm test plug.



**Optimal level connection**

The terminal blocks enable an efficient potential distribution whenever multiple tiers are connected.



**Applications up to 800 V**

With its integrated end plate, the terminal blocks can handle applications of up to 800 V.

**Time and space saving**

Fast motor connection due to PUSH IN connection with an optional wiring of three potentials and a PE on the same terminal block on a width of just 5.1 mm.

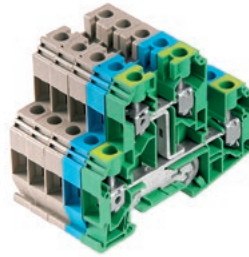


**Power distribution**  
**Screw connection**



**WDK 10 SET LS**

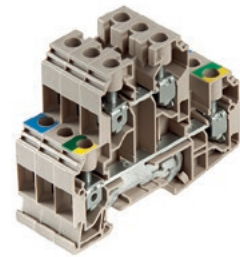
**10 mm<sup>2</sup>**



49.5 x 85 x 69	
<b>70 / 16</b>	
<b>1.5... 16</b>	

**WDK 10 SET BCD**

**10 mm<sup>2</sup>**



29.7 x 85 x 69	
<b>70 / 16</b>	
<b>1.5... 16</b>	

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Note	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...1.9 Nm / (M 4)			
12 / 1.0 x 5.5 mm			
Note			

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
800	600	600	
57	64	64	
10	AWG 18...6	AWG 18...6	
8 kV / 3			
B6 / V-0			
Rated connection		Further connection	
1.5...16 / 1.5...16			
1.5...16 / 1.5...16			
1.2...1.9 Nm / (M 4)			
12 / 1.0 x 5.5 mm			
Note			

**Ordering data**

Version	dark beige with PE foot dark beige / green / yellow
Note	

Type	Qty.	Order No.
WDK 10 SET LS	1	1415530000
Note		

Type	Qty.	Order No.
WDK 10 SET BCD	1	1415540000
Note		

**Accessories**

Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
End bracket	
	dark beige
Screwdriver	
	Standard
Cover	
	Blank, white
	Blank, yellow
Identification systems	
Cross-connection	
	black
	blue
	red

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044
Note			

Type	current	Qty.	Order No.
WQV 10/2	57 A	50	1052560000
WQV 10/10	57 A	20	1052460000
WAP WDK10		20	1186720000
WAP WDK10 BL		20	1186730000
WEW 35/2		100	1061200000
SDS 1.0X5.5X150		1	9008350000
WAD 8 MC NE WS		48	1112940000
WAD 8 MC NE GE		48	1112950000
DEK 5/5 MC NE WS		1000	1609801044
Note			

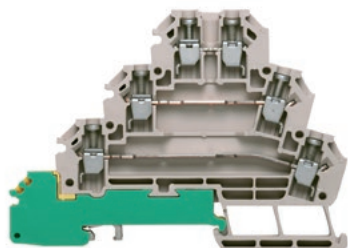
For detailed information on other accessories and application in the online catalogue

Cross-connections, see section "W series accessories".

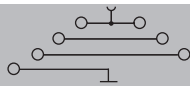
Cross-connections, see section "W series accessories".

**MAK 2.5**

**2.5 mm<sup>2</sup>**



6.2 x 88 x 63  
**31 / 4**  
**0.13...4**



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
500	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE

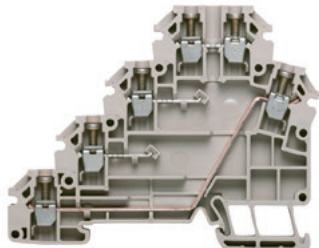
Rated connection	Further connection
0.5...4 / 0.5...4	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
8 / 0.6 x 3.5 mm	
0.5...1 / 0.5...1	
0.5...1 / 0.5...0.75	

Type	Qty.	Order No.
MAK 2.5 DB	50	<b>7917030000</b>

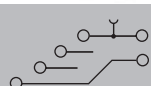
Type	current	Qty.	Order No.
AP MAK2.5 DB		20	<b>7917000000</b>
WEW 35/1		50	<b>1059000000</b>
SDIS 0.6X3.5X100		1	<b>9008390000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
VQB 1.5/50 SW	17.5 A	5	<b>1635120000</b>
VQB 1.5/50 BL	17.5 A	5	<b>1633280000</b>
VQB 1.5/50 RT	17.5 A	5	<b>1633290000</b>

**VLI 1.5**

**1.5 mm<sup>2</sup>**



6.15 x 79.5 x 63  
**24 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
17.5	10		
1.5	AWG 26...12		
4 kV / 3			
A3 / V-0			

CE

Rated connection	Further connection
0.5...4 / 0.5...2.5	
0.5...4 / 0.5...2.5	
0.4...0.6 Nm / (M 2.5)	
8 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
VLI 1.5 DB	50	<b>1784120000</b>
VLI 1.5/PE DB	50	<b>1784130000</b>

Type	current	Qty.	Order No.
AP VLI1.5 DB		20	<b>1784150000</b>
WEW 35/1		50	<b>1059000000</b>
SDIS 0.6X3.5X100		1	<b>9008390000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
VQB 1.5/50 SW	17.5 A	5	<b>1635120000</b>
VQB 1.5/50 BL	17.5 A	5	<b>1633280000</b>
VQB 1.5/50 RT	17.5 A	5	<b>1633290000</b>

**B**





Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

### Ordering data

Version	dark beige
Note	

### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
Vertical jumpers	
	1-pole
End plate	
	dark beige
End bracket	
	dark beige
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

## AMC 2.5

2.5 mm<sup>2</sup>



5.1 x 107.5 x 88
21 / 2.5
0.14...2.5

DIN EN 60947-7-1, DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
690	150		
22	20		
2.5	AWG 28...12		
8 kV / 3			
A3 / V-0			
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
Approval in progress			

Type	Qty.	Order No.
AMC 2.5	50	2434340000

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
ZVQ 2.5/1.5	23 A	50	1720700000
AEP MC 2.5		25	2433820000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

All MultiMark variants (MM) = strip markers

## AMC 2.5 800 V

2.5 mm<sup>2</sup>



6.1 x 107.5 x 88
21 / 2.5
0.14...2.5

DIN EN 60947-7-1, DIN EN 60947-7-2

IEC	UL	CSA	EN 60079-7
800	600		
22	20		
2.5	AWG 28...12		
8 kV / 3			
A3 / V-0			
Rated connection			
0.5...2.5 / 0.5...2.5			
0.5...2.5 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
Note			
Approval in progress			

Type	Qty.	Order No.
AMC 2.5 800V	50	2434370000

Type	current	Qty.	Order No.
ZVQ 2.5/1.5	23 A	50	1720700000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 PLUS MC NE WS		1000	1854490000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
WS 10/5 M PLUS MC NE WS		600	2003770000
SNAPMARK I		50	1805880000

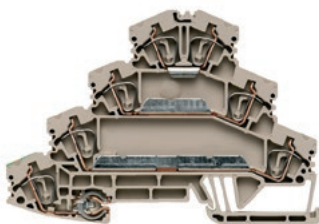
All MultiMark variants (MM) = strip markers



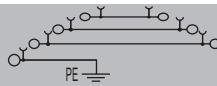
**ZMAK 2.5**

2.5 mm<sup>2</sup>

Motor-supply terminal



5.1 x 102 x 69.5  
**31 / 4**  
**0.13...4**



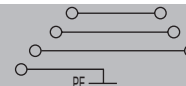
**ZMAK 2.5 690 V**

2.5 mm<sup>2</sup>

Motor-supply terminal



6.1 x 102 x 69.5  
**31 / 4**  
**0.13...4**



Width/Height/Depth mm  
max. current / max. cond. cross-section A/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

**Ordering data**

Version	
	dark beige
<b>Note</b>	

**Accessories**

<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Reducing sleeves</b>	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
<b>Test adapter</b>	Standard
<b>Identification systems</b>	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
400	300	300	
24	25	25	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE ENEC IEC VDE

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
690	300		
24	25		
2.5	AWG 26...12		
6 kV / 3			
A3 / V-0			

CE ENEC VDE

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
ZMAK 2.5	25	1768000000

Type	current	Qty.	Order No.
ZAP ZMAK2.5		10	1768010000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1	1000		1678810000
ZRH 1.5H/2	1000		1678800000
ZTA 1		25	1609040000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/5 MC NE WS	720		1609860000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

Type	Qty.	Order No.
ZMAK 2.5 690V	25	1027550000

The ZMAK 2.5 690 V: with pre-assembled end plate and a width of 6.1 mm!

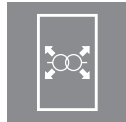
Type	current	Qty.	Order No.
ZAP ZMAK2.5		10	1768010000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
ZRH 1.5H/1	1000		1678810000
ZRH 1.5H/2	1000		1678800000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/5 MC NE WS	720		1609860000

For detailed information on other accessories and application in the online catalogue



## Safe supply to equipment in the panel

### Klippon® Connect for optimum control voltage distribution



For power supplies to equipment in the panel, there is an increased risk of incorrect connections because of the large number of conductors. Our tailored AAP potential distribution terminal blocks and the maxGUARD modular system with built-in electronic load monitoring offer ideal solutions for surge current protection and clear, structured power distribution within control voltage circuits. The considerable space saving and reduced wiring means you can guarantee supply to your panel equipment simply and effectively.

#### **Our promise**

For complex wiring projects in confined spaces, we offer a future-oriented strategy for central potential distribution with direct wiring option for all the device's plus and minus potentials. This means that Klippon® Connect makes planning and implementing your control voltage distribution system considerably more productive.

B



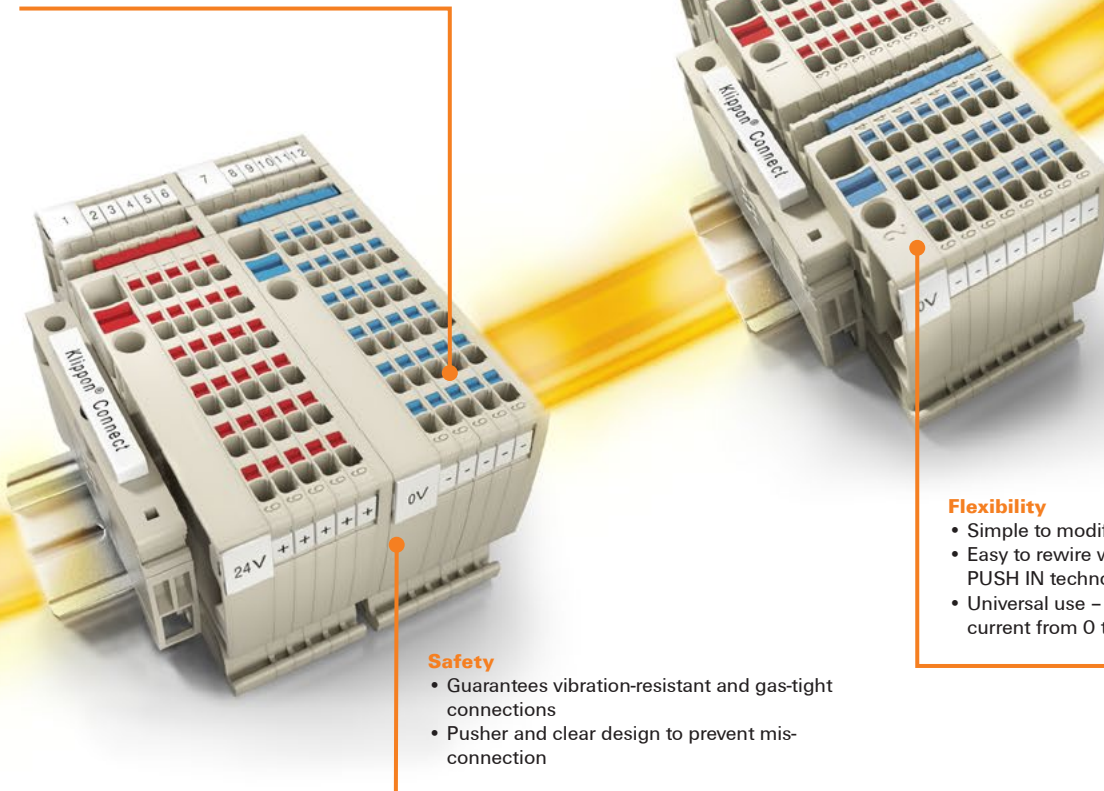


**Space saving**

- Up to 50 percent more compact control voltage distribution thanks to the optional six conductor connections per terminal block
- Combined solution for fewer components and more available space on the terminal rail
- One solution to connect all the plus and minus connectors for the loads

**Time saving**

- Maximum time saving on wiring thanks to PUSH IN technology
- Consistent cross-connection systems
- Tailored assembly and ordering using the Weidmüller Configurator

**Safety**

- Guarantees vibration-resistant and gas-tight connections
- Pusher and clear design to prevent mis-connection

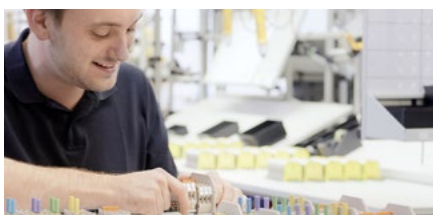
**Flexibility**

- Simple to modify and expand
- Easy to rewire without special tools thanks to PUSH IN technology
- Universal use – for direct and alternating current from 0 to 250 V

B

**Our range****Combined load monitoring and potential distribution:**

maxGUARD is our unique modular system for control voltage distribution. The consistent design of the electronic load monitoring and potential distribution terminal blocks plus the simple cross-connection options save time and money and prevent mis-connections.

**Simpler customised solutions:**

Our assembly service for standard blocks and completed control voltage distribution systems guarantees ease of ordering and production optimisation. We create a perfect-fit solution for all of your requirements.

## Control voltage distribution PUSH IN connection

### AAP - potential distribution terminal blocks

Potential distribution with separate fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	
	beige / red pusher
	beige / blue pusher
	beige / orange pusher
	blue / orange pusher
Note	

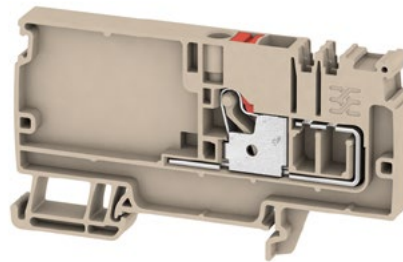
#### Accessories

Pluggable cross-connection	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Identification systems	

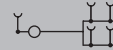
For detailed information on other accessories and application in the online catalogue

### AAP11 6 LO

6 mm<sup>2</sup>



8.1 x 85.5 x 47
41 / 6
0.5...6



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300		
41	36		
6	AWG 22...8		
6 kV / 3			
A5 / V-0			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Note			
Approval in progress			

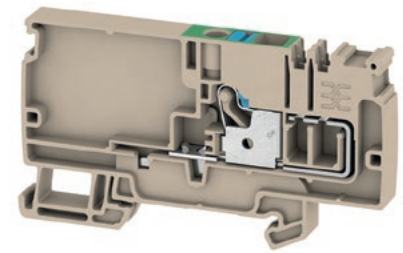
Type	Qty.	Order No.
AAP11 6 LO RD	20	1989780000
AAP11 6 LO BL	20	1988130000
AAP11 6 LO OR	20	2503650000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
DEK-A 5/8 MM WS		500	2448860000
WS-A 8/8 MM WS		500	2448930000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS 10/8 PLUS MC NE WS		420	1905950000

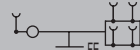
All MultiMark variants (MM) = strip markers

### AAP11 6 FE

6 mm<sup>2</sup>



8.1 x 85.5 x 47
/ 6
0.5...6



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	300		
6	AWG 22...8		
6 kV / 3			
A5 / V-0			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Note			
Approval in progress			

Type	Qty.	Order No.
AAP11 6 FE	20	1988140000

FE = functional earth, contact to DIN rail.

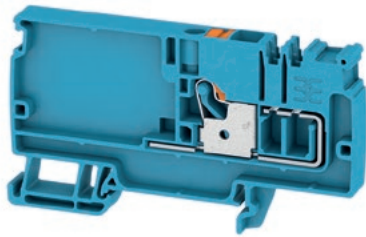
Type	current	Qty.	Order No.
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
DEK-A 5/8 MM WS		500	2448860000
WS-A 8/8 MM WS		500	2448930000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS 10/8 PLUS MC NE WS		420	1905950000

All MultiMark variants (MM) = strip markers



**AAP11 6 LO BL/OR**

**6 mm<sup>2</sup>**



8.1 x 85.5 x 47  
41 / 6  
0.5...6



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			
6 kV / 3			
A5 / V-0			

**Rated connection**

0.5...6 / 0.5...6  
0.5...6 / 0.5...6  
12 / 1.0 x 5.5 mm

Approval in progress

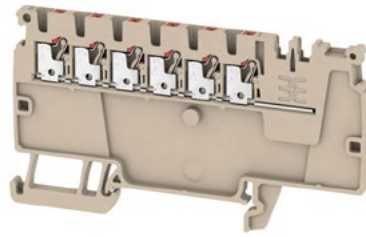
Type	Qty.	Order No.
AAP11 6 LO BL/OR	20	2522720000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
DEK-A 5/8 MM WS		500	2448860000
WS-A 8/8 MM WS		500	2448930000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS 10/8 PLUS MC NE WS		420	1905950000

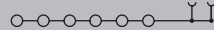
All MultiMark variants (MM) = strip markers

**AAP11 1.5 LI**

**1.5 mm<sup>2</sup>**



3.5 x 85.5 x 47  
17.5 / 1.5  
0.14...1.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500	300		
17.5	13		
1.5	AWG 26...14		
6 kV / 3			
A1 / V-0			

CE, RoHS, REACH

**Rated connection**

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

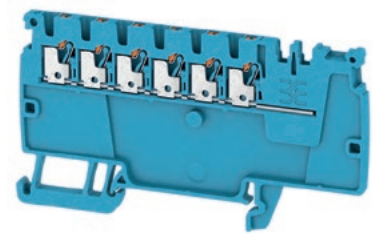
Type	Qty.	Order No.
AAP11 1.5 LI RD	50	1988160000
AAP11 1.5 LI BL	50	1988170000
AAP11 1.5 LI OR	50	2503910000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIS 0.4X2.0X60		1	9205690000
WS 10/3.5 PLUS MC NE WS		960	2003760000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 MM WS		1000	2007100000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

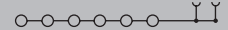
All MultiMark variants (MM) = strip markers

**AAP11 1.5 LI BL/OR**

**1.5 mm<sup>2</sup>**



3.5 x 85.5 x 47  
17.5 / 1.5  
0.14...1.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500			
17.5			
1.5			
6 kV / 3			
A1 / V-0			

**Rated connection**

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
AAP11 1.5 LI BL/OR	50	2522870000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP11		20	1988320000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIS 0.4X2.0X60		1	9205690000
WS 10/3.5 PLUS MC NE WS		960	2003760000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 MM WS		1000	2007100000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers



## Control voltage distribution PUSH IN connection

### AAP – potential distribution terminal blocks

Potential distribution with separate fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

#### Ordering data

Version	beige / red and blue pushers
<b>Note</b>	

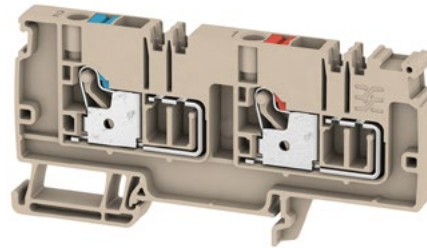
#### Accessories

Pluggable cross-connection	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
Test plug	
Screwdriver	
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

### AAP13 6 LO-LO

6 mm<sup>2</sup>



8.1 x 96 x 47	
<b>41 / 6</b>	
<b>0.5...6</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		
41	36		
6	AWG 22...8		
4 kV / 3			
A5 / V-0			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Approval in progress			

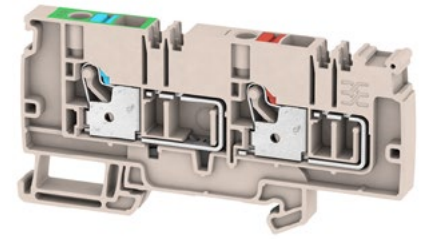
Type	Qty.	Order No.
AAP13 6 LO-LO	20	1988260000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP13		20	1990140000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
DEK-A 5/8 MM WS		500	2448860000
WS-A 8/8 MM WS		500	2448930000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS 10/8 PLUS MC NE WS		420	1905950000

All MultiMark variants (MM) = strip markers

### AAP13 6 FE-LO

6 mm<sup>2</sup>



8.1 x 96 x 47	
<b>41 / 6</b>	
<b>0.5...6</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		
41	36		
6	AWG 22...8		
4 kV / 3			
A5 / V-0			
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Approval in progress			

Type	Qty.	Order No.
AAP13 6 FE-LO	20	1988270000

FE = functional earth, contact to terminal rail.

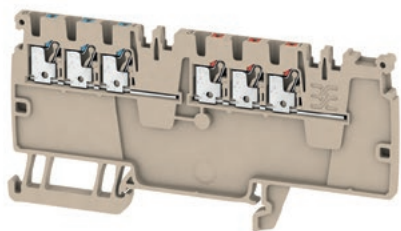
Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP13		20	1990140000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
DEK-A 5/8 MM WS		500	2448860000
WS-A 8/8 MM WS		500	2448930000
DEK 5/8 PLUS MC NE WS		800	1046350000
WS 10/8 PLUS MC NE WS		420	1905950000

All MultiMark variants (MM) = strip markers



AAP13 1.5 LI-LI

1.5 mm<sup>2</sup>



3.5 x 96 x 47

16 / 1.5

0.14...1.5



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
250	150		
16	13		
1.5	AWG 26...14		
4 kV / 3			
A1 / V-0			

CE, RoHS, REACH

**Rated connection**

0.5...1.5 / 0.5...1.5

0.5...1.5 / 0.5...1

8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
AAP13 1.5 LI-LI	50	1988280000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP AP13		20	1990140000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIS 0.4X2.0X60		1	9205690000
WS 10/3.5 PLUS MC NE WS		960	2003760000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 MM WS		1000	2007100000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000

All MultiMark variants (MM) = strip markers



## Control voltage distribution PUSH IN connection

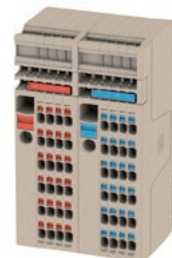
### AAP – potential distribution terminal blocks

#### SET AAP11 6/1.5/12C

6 mm<sup>2</sup>

#### SET AAP11 6/1.5/24C

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

35 x 85.5 x 47  
**41 / 6**  
**0.5...6**

49 x 85.5 x 47  
**41 / 6**  
**0.5...6**

### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	6 kV / 3		
	A5 / V-0		

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	6 kV / 3		
	A5 / V-0		

Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

Rated connection	
0.5...6 / 0.5...6	
0.5...6 / 0.5...6	
12 / 1.0 x 5.5 mm	

Rated connection	
0.5...6 / 0.5...6	
0.5...6 / 0.5...6	
12 / 1.0 x 5.5 mm	

**Note**

Approval in progress

Approval in progress

### Ordering data

Version
<b>Note</b>

Type	Qty.	Order No.
SET AAP11 6/1.5/12C	1	<b>2506090000</b>

Type	Qty.	Order No.
SET AAP11 6/1.5/24C	1	<b>2506370000</b>

### Accessories

Pluggable cross-connection	
2-pole/ red	
10-pole / red	
End bracket	
dark beige	
dark beige	
Tools	
Multimeter	
Identification systems	

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A	20	<b>1985800000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ZUB MULTIMETER		1	<b>9205270000</b>
DEK 5/8 MC NE WS		800	<b>1856740000</b>
DEK 5/8 MC SDR		160	<b>1856750000</b>
DEK 5/8 PLUS MC SDR		160	<b>1046370000</b>
WS 10/8 PLUS MC NE WS		420	<b>1905950000</b>
WS 10/8 PLUS MC SDR		84	<b>1906030000</b>

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A	20	<b>1985800000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ZUB MULTIMETER		1	<b>9205270000</b>
DEK 5/8 MC NE WS		800	<b>1856740000</b>
DEK 5/8 MC SDR		160	<b>1856750000</b>
DEK 5/8 PLUS MC SDR		160	<b>1046370000</b>
WS 10/8 PLUS MC NE WS		420	<b>1905950000</b>
WS 10/8 PLUS MC SDR		84	<b>1906030000</b>

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) – strip markers

All MultiMark variants (MM) – strip markers



AAP – potential distribution terminal blocks

SET AAP13 6/1.5/12C

6 mm<sup>2</sup>

SET AAP13 6/1.5/24C

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

24.5 x 96 x 47  
**41 / 6**  
**0.5...6**

38.5 x 96 x 47  
**41 / 6**  
**0.5...6**

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	6 kV / 3		
	A5 / V-0		
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Note			
Approval in progress			

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500			
41			
6			
	6 kV / 3		
	A5 / V-0		
Rated connection			
0.5...6 / 0.5...6			
0.5...6 / 0.5...6			
12 / 1.0 x 5.5 mm			
Note			
Approval in progress			

Ordering data

Version
Note

Type	Qty.	Order No.
SET AAP13 6/1.5/12C	1	2506340000
Note		

Type	Qty.	Order No.
SET AAP13 6/1.5/24C	1	2506380000
Note		

Accessories

Pluggable cross-connection	
2-pole / red	
10-pole / red	
End bracket	
dark beige	
dark beige	
Tools	
Multimeter	
Identification systems	

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ZUB MULTIMETER		1	9205270000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MC SDR		160	1856750000
DEK 5/8 PLUS MC SDR		160	1046370000
WS 10/8 PLUS MC NE WS		420	1905950000
WS 10/8 PLUS MC SDR		84	1906030000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ZUB MULTIMETER		1	9205270000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MC SDR		160	1856750000
DEK 5/8 PLUS MC SDR		160	1046370000
WS 10/8 PLUS MC NE WS		420	1905950000
WS 10/8 PLUS MC SDR		84	1906030000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

## Control voltage distribution PUSH IN connection

### AAP – potential distribution terminal blocks

Potential distribution with separate fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

#### Ordering data

Version	
	beige / red pusher
	beige / blue pusher
	beige / orange pusher
	blue / orange pusher
Note	

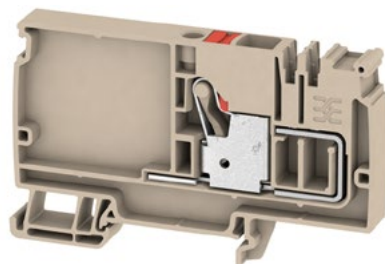
#### Accessories

Pluggable cross-connection	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige
	dark beige
Screwdriver	
	Standard
Identification systems	
Test adapter	
	1-pole
Test plug	

For detailed information on other accessories and application in the online catalogue

### AAP12 10 LO

10 mm<sup>2</sup>



10 x 89 x 53.5	
<b>57 / 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
57	51		
10	AWG 20...6		
8 kV / 3			
A6 / V-0			
Rated connection			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 / 1.0 x 5.5 mm			
Note			
Approval in progress			

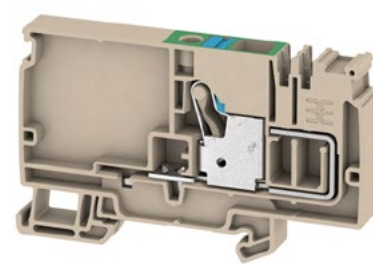
Type	Qty.	Order No.
AAP12 10 LO RD	20	1988190000
AAP12 10 LO BL	20	1988180000
AAP12 10 LO OR	20	2503900000

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP12		20	1988300000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000

All MultiMark variants (MM) = strip markers

### AAP12 10 FE

10 mm<sup>2</sup>



10 x 89 x 53.5	
<b>/ 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
10	AWG 20...6		
8 kV / 3			
A6 / V-0			
Rated connection			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 / 1.0 x 5.5 mm			
Note			
Approval in progress			

Type	Qty.	Order No.
AAP12 10 FE	20	1988200000

FE = functional earth, contact to DIN rail.

Type	current	Qty.	Order No.
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP12		20	1988300000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000

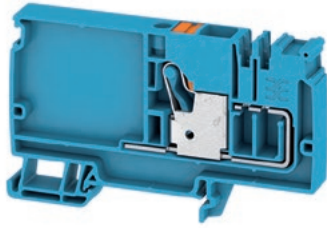
All MultiMark variants (MM) = strip markers



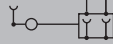


**AAP12 10 LO BL/OR**

**10 mm<sup>2</sup>**



10 x 89 x 53.5  
**57 / 10**  
**0.5...10**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
57			
10			
8 kV / 3			
A6 / V-0			

**Rated connection**

0.5...10 / 0.5...10  
0.5...10 / 0.5...10  
18 / 1.0 x 5.5 mm

Approval in progress

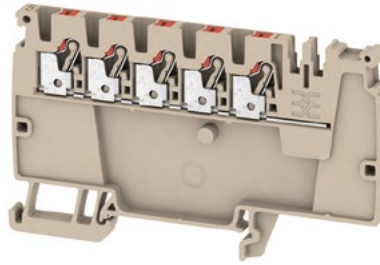
Type	Qty.	Order No.
AAP12 10 LO BL/OR	20	<b>2522860000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	<b>2108470000</b>
ZQV 2.5N/10 RD	24 A	20	<b>2108910000</b>
ZQV 2.5N/2 BL	24 A	60	<b>1527740000</b>
ZQV 2.5N/10 BL	24 A	20	<b>1527880000</b>
AEP AP12		20	<b>1988300000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35/2		20	<b>8630740000</b>
SDIL 1,0x5,5x125		1	<b>9042130000</b>
WS 7.8/9.2 PLUS MC NE GR		360	<b>1208970000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
PS 2.0 MC		20	<b>0310000000</b>

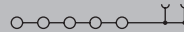
All MultiMark variants (MM) = strip markers

**AAP12 2.5 LI**

**2.5 mm<sup>2</sup>**



5.1 x 89 x 53.5  
**24 / 2.5**  
**0.5...2.5**



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
800	600		
24	20		
2.5	AWG 28...12		
8 kV / 3			
A3 / V-0			

CE, RoHS, REACH

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

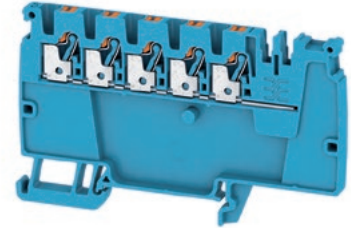
Type	Qty.	Order No.
AAP12 2.5 LI RD	50	<b>1988290000</b>
AAP12 2.5 LI BL	50	<b>1988100000</b>
AAP12 2.5 LI OR	50	<b>2503880000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	<b>2108470000</b>
ZQV 2.5N/10 RD	24 A	20	<b>2108910000</b>
ZQV 2.5N/2 BL	24 A	60	<b>1527740000</b>
ZQV 2.5N/10 BL	24 A	20	<b>1527880000</b>
AEP AP12		20	<b>1988300000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35/2		20	<b>8630740000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
DEK 5/5 MM WS	800		<b>2007110000</b>
WS 8/5 MM WS	800		<b>2007150000</b>
DEK 5/5 PLUS MC NE WS	1000		<b>1854490000</b>
WS 10/5 M PLUS MC NE WS	600		<b>2003770000</b>

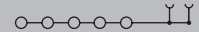
All MultiMark variants (MM) = strip markers

**AAP12 2.5 LI BL/OR**

**2.5 mm<sup>2</sup>**



5.1 x 89 x 53.5  
**24 / 2.5**  
**0.5...2.5**



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
800			
24			
2.5			
8 kV / 3			
A3 / V-0			

**Rated connection**

0.5...2.5 / 0.5...2.5  
0.5...2.5 / 0.5...2.5  
10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
AAP12 2.5 LI BL/OR	50	<b>2522840000</b>

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	<b>2108470000</b>
ZQV 2.5N/10 RD	24 A	20	<b>2108910000</b>
ZQV 2.5N/2 BL	24 A	60	<b>1527740000</b>
ZQV 2.5N/10 BL	24 A	20	<b>1527880000</b>
AEP AP12		20	<b>1988300000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35/2		20	<b>8630740000</b>
SDIL 0,6x3,5x100		1	<b>9042110000</b>
DEK 5/5 MM WS	800		<b>2007110000</b>
WS 8/5 MM WS	800		<b>2007150000</b>
DEK 5/5 PLUS MC NE WS	1000		<b>1854490000</b>
WS 10/5 M PLUS MC NE WS	600		<b>2003770000</b>

All MultiMark variants (MM) = strip markers

**Control voltage distribution**  
**PUSH IN connection**

**AAP – potential distribution terminal blocks**

Potential distribution with separate fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	beige / red and blue pushers
Note	

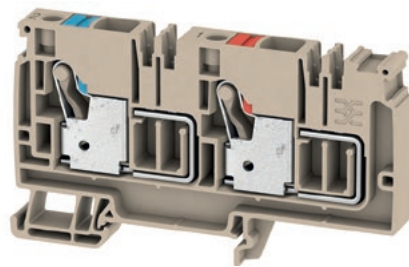
**Accessories**

Pluggable cross-connection	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige
	dark beige
Screwdriver	
	Standard
Identification systems	
Test adapter	
	1-pole
Test plug	

For detailed information on other accessories and application in the online catalogue

**AAP14 10 LO-LO**

**10 mm<sup>2</sup>**



10 x 94 x 53.5	
<b>57 / 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	150		
57	51		
10	AWG 20...6		
6 kV / 3			
A6 / V-0			
Rated connection			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 / 1.0 x 5.5 mm			
Note			
Approval in progress			

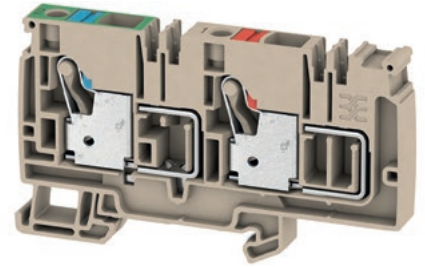
Type	Qty.	Order No.
AAP14 10 LO-LO	20	1988250000

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP14		20	1988340000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000

All MultiMark variants (MM) = strip markers

**AAP14 10 FE-LO**

**10 mm<sup>2</sup>**



10 x 94 x 53.5	
<b>57 / 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
500	150		
57	51		
10	AWG 20...6		
6 kV / 3			
A6 / V-0			
Rated connection			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 / 1.0 x 5.5 mm			
Note			
Approval in progress			

Type	Qty.	Order No.
AAP14 10 FE-LO	20	1988240000

FE = functional earth, contact to terminal rail

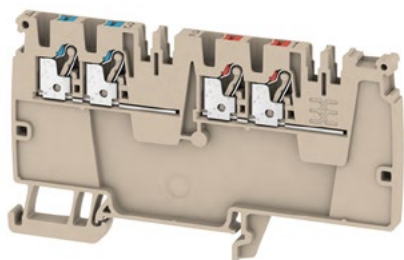
Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP14		20	1988340000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
ATPG 1.5-10 L		50	1991890000
PS 2.0 MC		20	0310000000

All MultiMark variants (MM) = strip markers



**AAP14 2.5 LI-LI**

**2.5 mm<sup>2</sup>**



5.1 x 94 x 53.5  
**24 / 2.5**  
**0.5...2.5**



IEC/EN 60947-7-1:2009

IEC	UL	CSA	EN 60079-7
500	150		
24	20		
2.5	AWG 28...12		
6 kV / 3			
A3 / V-0			

CE, RoHS, REACH

**Rated connection**

0.5...2.5 / 0.5...2.5

0.5...2.5 / 0.5...2.5

10 / 0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
AAP14 2.5 LI-LI	50	1988230000

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
ZQV 2.5N/2 BL	24 A	60	1527740000
ZQV 2.5N/10 BL	24 A	20	1527880000
AEP AP14		20	1988340000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
SDIL 0,6x3,5x100		1	9042110000
DEK 5/5 MM WS		800	2007110000
WS 8/5 MM WS		800	2007150000
DEK 5/5 PLUS MC NE WS		1000	1854490000
WS 10/5 M PLUS MC NE WS		600	2003770000

All MultiMark variants (MM) = strip markers



**Control voltage distribution  
PUSH IN connection**

**AAP – potential distribution terminal blocks**

**SET AAP12 10/2.5/10C**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

45.2 x 89 x 53.5
<b>/ 10</b>
<b>0.5...10</b>

**Technical data**

Rated data	
Rated voltage of feed-through terminal	-
Rated current	-
for wire cross-section	-
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	A6 / V-0		
Rated connection			
	0.5...10 / 0.5...10		
	0.5...10 / 0.5...10		
	18 / 1.0 x 5.5 mm		
Note			
Approval in progress			

**Ordering data**

Version
Note

Type	Qty.	Order No.
SET AAP12 10/2.5/10C	1	<b>2506350000</b>

**Accessories**

Pluggable cross-connection	
	2-pole/ red
	10-pole / red
End bracket	
	dark beige
	dark beige
Tools	
	Multimeter
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	<b>2108470000</b>
ZQV 2.5N/10 RD	24 A	20	<b>2108910000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ZUB MULTIMETER		1	<b>9205270000</b>
DEK 5/8 MC NE WS		800	<b>1856740000</b>
DEK 5/8 MC SDR		160	<b>1856750000</b>
DEK 5/8 PLUS MC SDR		160	<b>1046370000</b>
WS 10/8 PLUS MC NE WS		420	<b>1905950000</b>
WS 10/8 PLUS MC SDR		84	<b>1906030000</b>

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers

AAP – potential distribution terminal blocks

SET AAP14 10/2.5/10C

10 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

36.5 x 89 x 53.5
<b>57 / 10</b>
<b>0.5...10</b>

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800			
57			
10			
	8 kV / 3		
	A6 / V-0		
Rated connection			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 / 1.0 x 5.5 mm			
Note			
Approval in progress			

Ordering data

Version
Note

Type	Qty.	Order No.
SET AAP14 10/2.5/10C	1	2506360000

Accessories

Pluggable cross-connection	
	2-pole/ red
	10-pole / red
End bracket	
	dark beige
	dark beige
Tools	
	Multimeter
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2 RD	24 A	60	2108470000
ZQV 2.5N/10 RD	24 A	20	2108910000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ZUB MULTIMETER		1	9205270000
DEK 5/8 MC NE WS		800	1856740000
DEK 5/8 MC SDR		160	1856750000
DEK 5/8 PLUS MC SDR		160	1046370000
WS 10/8 PLUS MC NE WS		420	1905950000
WS 10/8 PLUS MC SDR		84	1906030000

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers



## Safe supply for consumers in the panel

### Klippon® Connect for optimum control voltage distribution

In control circuits, electrical energy from the power supply is distributed to downstream consumers in the panel. In order to guarantee safe supply of power, a confusingly high number of conductors must be connected, which can lead to incorrect wiring.



Our Klippon® Connect control voltage distribution terminal blocks AAP with and without fuse allow the simple and compact construction of complete control voltage distribution. They ensure effective control voltage for the equipment in the panel. The unique modular concept can be tailored individually to each machine type.

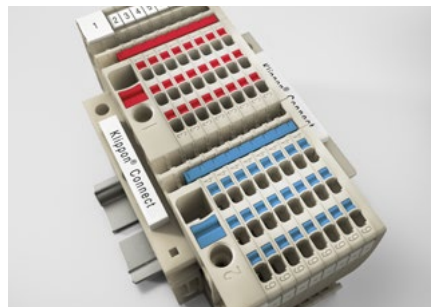
B

The potential distribution terminal blocks AAP impress with their standardised design with two possible structures – alternating or grouped. Simple cross-connection options save space and installation time and prevent incorrect wiring.



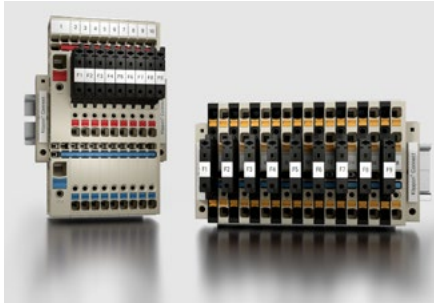
#### Coloured pushers

The colours make distinguishing between the different potentials easy. Time-consuming and costly troubleshooting is prevented.



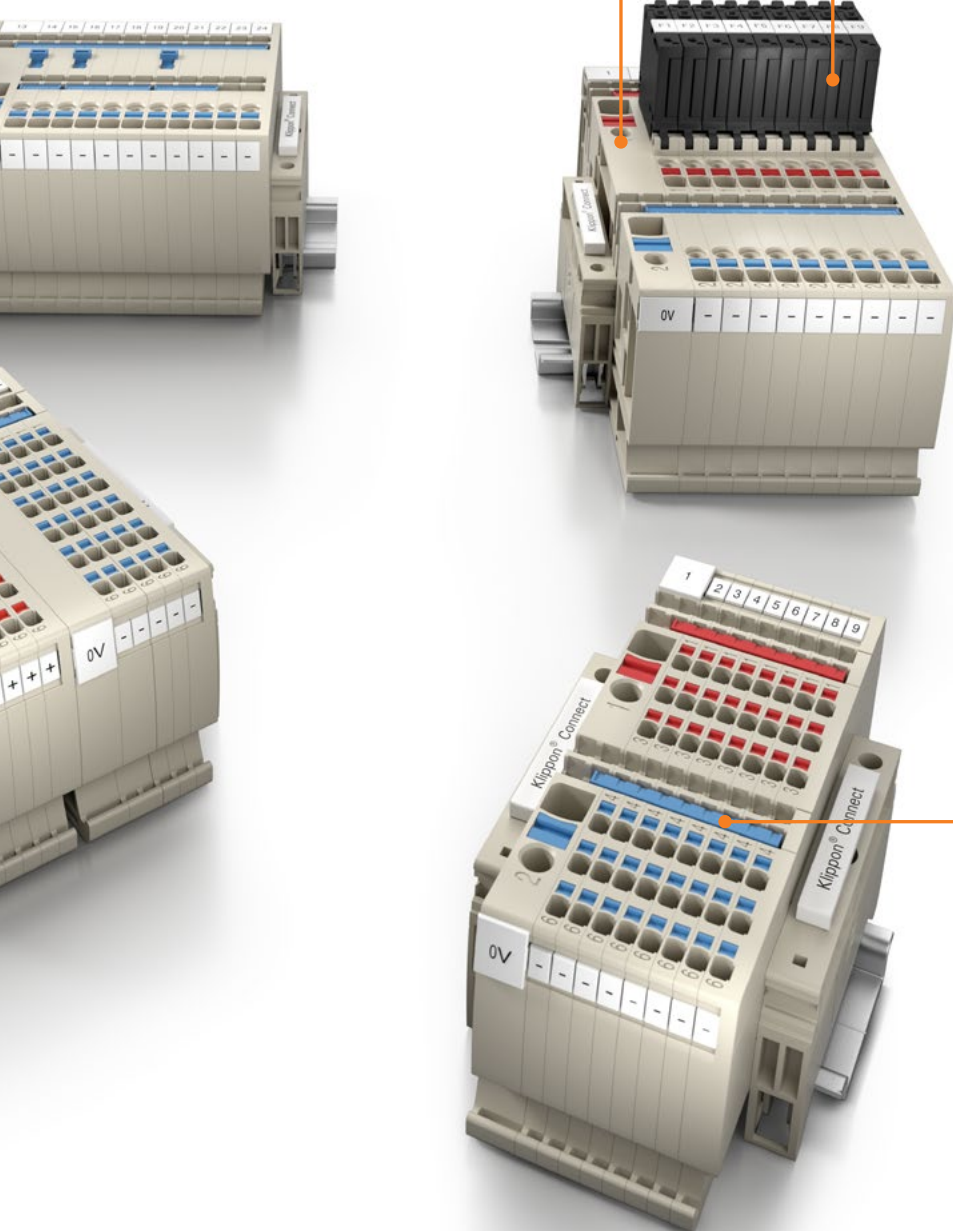
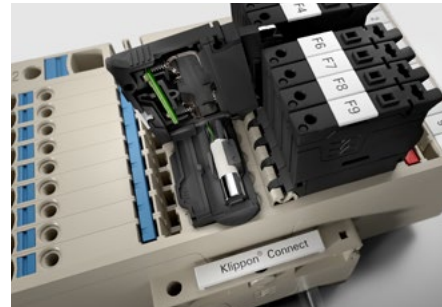
**Space saving**

The combined functionality of positive and negative potentials in one terminal block enables a significant space saving.



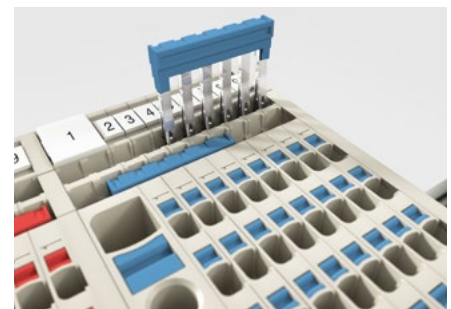
**Potential distribution with fuse protection**

The fuse can be replaced quickly and easily by simply releasing and opening the fuse holder on the system.



**Two cross-connection channels**

Thanks to the modular system, another terminal block can be attached and expanded using an additional cross-connection in the second cross-connection channel.



**Control voltage distribution**  
**PUSH IN connection**

**AAP – potential distribution terminal blocks**

Potential distribution with integrated fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length	
Blade size	
Note	

**Ordering data**

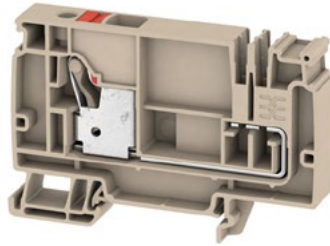
Version	Note
250 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
100-250 V AC/DC, with LED	
beige / red pusher	
beige / blue pusher	
Note	

**Accessories**

Pluggable cross-connection	
2-pole/ red	
10-pole / red	
2-pole / blue	
10-pole/ blue	
End plate / Partition plate	
End bracket	
dark beige	
dark beige	
Test plug	
Screwdriver	
Standard	
Identification systems	
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
0.25 A fast	
0.50 A fast	
1.00 A fast	
2.00 A fast	
Test adapter	
1-pole	
For detailed information on other accessories and application in the online catalogue	

**AAP21 10 LO**

**10 mm<sup>2</sup>**



12 x 82 x 53.5	
<b>57 / 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-1

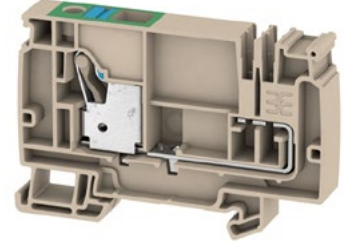
IEC	UL	CSA	EN 60079-7
250	600 (C)		
57	51		
10	AWG 20...6		
		4 kV / 3	
		V-0	
UL			
Rated connection			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 mm			
1.0 x 5.5 mm			
Note			
Approval in progress			

Type	Qty.	Order No.
AAP21 10 LO RD	20	2428910000
AAP21 10 LO BL	20	2428940000

Type	current	Qty.	Order No.
ZQV 4N/2 RD		60	2460450000
ZQV 4N/10 RD		20	2460740000
ZQV 4N/2 BL	32 A	60	1528040000
ZQV 4N/10 BL	32 A	20	1528230000
AEP AP21		20	2429020000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
ATPG 1.5-10 L		50	1991890000
Note			
All MultiMark variants (MM) = strip markers			

**AAP21 10 FE**

**10 mm<sup>2</sup>**



12 x 82 x 53.5	
<b>/ 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	600 (C)		
10	AWG 20...6		
		4 kV / 3	
		V-0	
UL			
Rated connection			
0.5...10 / 0.5...10			
0.5...10 / 0.5...10			
18 mm			
1.0 x 5.5 mm			
Note			
Approval in progress			

Type	Qty.	Order No.
AAP21 10 FE	20	2428920000
Note		
Functional earth (FE), contact to terminal rail		

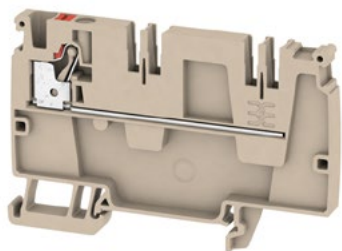
Type	current	Qty.	Order No.
ZQV 4N/2 BL	32 A	60	1528040000
ZQV 4N/10 BL	32 A	20	1528230000
AEP AP21		20	2429020000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000
ATPG 1.5-10 L		50	1991890000
Note			
All MultiMark variants (MM) = strip markers			





AAP21 4 LI

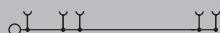
4 mm<sup>2</sup>



6.1 x 82 x 53.5

32 / 4

0.5...4



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300 (C)		
32	20		
4	AWG 26...10		
		4 kV / 3	
		V-0	

**FA**

**Rated connection**

0.5...4 / 0.5...4

0.5...4 / 0.5...4

12 mm

0.6 x 3.5 mm

Approval in progress

Type	Qty.	Order No.
AAP21 4 LI RD	50	2428930000
AAP21 4 LI BL	50	2428960000

Type	current	Qty.	Order No.
ZQV 4N/2 RD		60	2460450000
ZQV 4N/10 RD		20	2460740000
ZQV 4N/2 BL	32 A	60	1528040000
ZQV 4N/10 BL	32 A	20	1528230000
AEP AP21		20	2429020000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 0,6x3,5x100		1	9042110000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000
ATPG 1.5-10 L		50	1991890000

All MultiMark variants (MM) = strip markers



## Control voltage distribution PUSH IN connection

### AAP – potential distribution terminal blocks



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length	
Blade size	

<b>Note</b>
-------------

#### Ordering data

Version	
250 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
100-250 V AC/DC, with LED	
beige / red pusher	
beige / blue pusher	

<b>Note</b>
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#### Accessories

Pluggable cross-connection	
2-pole/ red	
10-pole / red	
2-pole / blue	
10-pole/ blue	

<b>End plate / Partition plate</b>
------------------------------------

End bracket	
dark beige	
dark beige	

<b>Test plug</b>
------------------

Screwdriver	
Standard	

<b>Identification systems</b>
-------------------------------

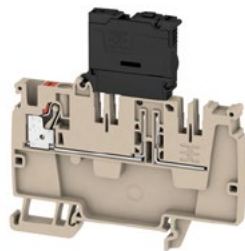
G-fuse cartridge, 5 x 20 mm (IEC 60127-2)	
0.25 A fast	
0.50 A fast	
1.00 A fast	
2.00 A fast	

<b>Test adapter</b>	1-pole
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For detailed information on other accessories and application in the online catalogue

### AAP21 4 FS

4 mm<sup>2</sup>



6.1 x 82 x 82
<b>6.3 / 4</b>
<b>0.5...4</b>

In accordance with IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
250	150 (C)		
6.3	10		
4	AWG 26...10		
	4 kV / 3		
	V-0		

Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 mm	
0.6 x 3.5 mm	

Approval in progress
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Type	Qty.	Order No.
AAP21 4 FS	50	2428950000
AAP21 4 FS 10-36V	50	2458990000
AAP21 4 FS 30-70V	50	2460200000
AAP21 4 FS 60-150V	50	2460190000
AAP21 4 FS 100-250V	50	2460180000

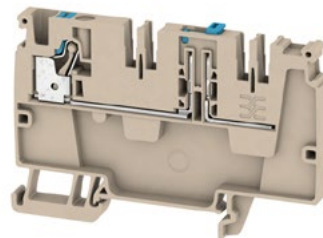
Type	current	Qty.	Order No.
ZQV 4N/2 RD		60	2460450000
ZQV 4N/10 RD		20	2460740000

AEP AP21	20	2429020000
AEB 35 SC/1	50	1991920000
ZEW 35/2	20	8630740000
PS 2.0 MC	20	0310000000
SDIL 0,6x3,5x100	1	9042110000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000
G 20/0.25A/F	10	0430500000
G 20/0.50A/F	10	0430600000
G 20/1.00A/F	10	0430700000
G 20/2.00A/F	10	0430900000

All MultiMark variants (MM) = strip markers

### AAP21 4 DT

4 mm<sup>2</sup>



6.1 x 82 x 55
<b>20 / 4</b>
<b>0.5...4</b>

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150 (C)		
20	20		
4	AWG 26...10		
	4 kV / 3		
	V-0		

Rated connection	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 mm	
0.6 x 3.5 mm	

Approval in progress
----------------------

Type	Qty.	Order No.
AAP21 4 DT	50	2428980000

Type	current	Qty.	Order No.
ZQV 4N/2 BL	32 A	60	1528040000
ZQV 4N/10 BL	32 A	20	1528230000

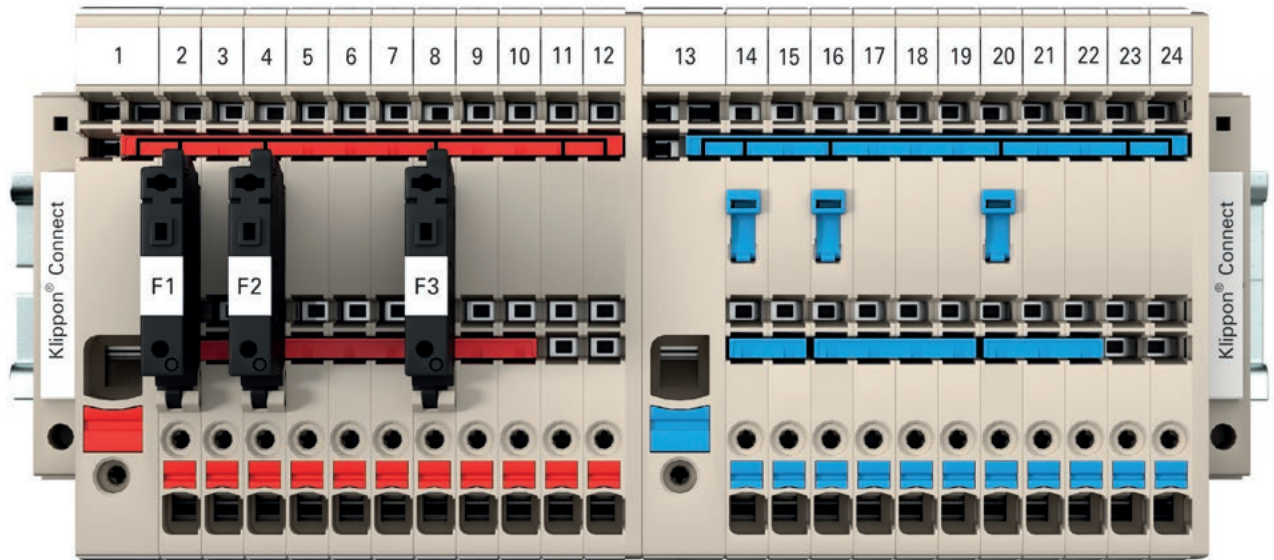
AEP AP21	20	2429020000
AEB 35 SC/1	50	1991920000
ZEW 35/2	20	8630740000
SDIL 0,6x3,5x100	1	9042110000
WS 10/6 M PLUS MC NE WS	600	2003780000
DEK 5/6 MM WS	600	2007120000
WS 8/6 MM WS	600	2007160000
DEK 5/6 PLUS MC NE WS	1000	1011320000

All MultiMark variants (MM) = strip markers



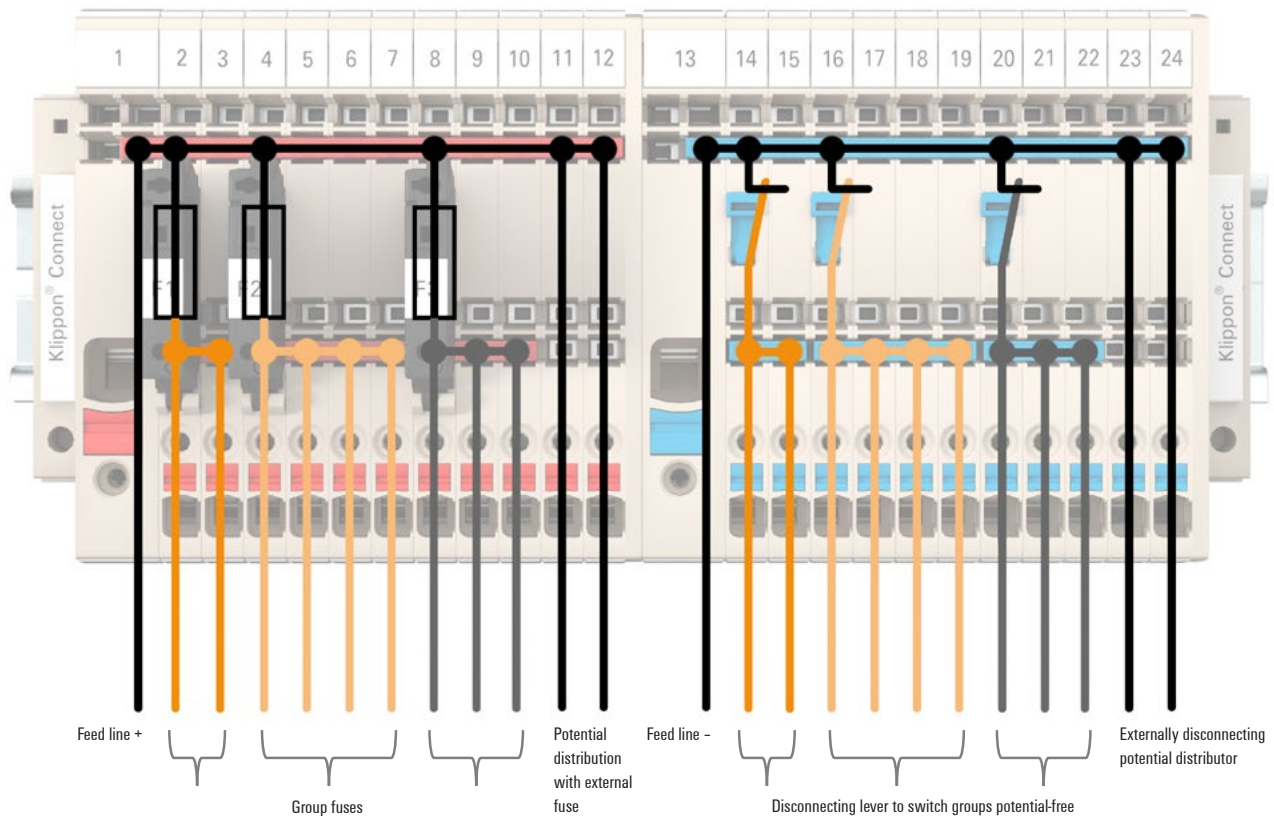
**Clear, compact construction of control voltage distribution**

Example configuration of potential distribution terminal block with fusing



- Group fusing through breakaway of individual poles in the cross-connections
- Groups can be switched potential-free via a disconnector
- Direct potential distribution possible without fusing within the structure

**Schematic representation of circuit diagram**



## Control voltage distribution PUSH IN connection

### AAP - potential distribution terminal blocks

Potential distribution with integrated fusing



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Number of operating cycles	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

#### Ordering data

Version	
	beige / red and blue pushers
<b>Note</b>	

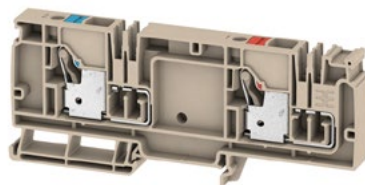
#### Accessories

Pluggable cross-connection	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
End plate / Partition plate	
End bracket	
	dark beige
	dark beige
Test plug	
Screwdriver	
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

### AAP22 10 LO-LO

10 mm<sup>2</sup>



12 x 129 x 53.5	
<b>57 / 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		
57	51		
10	AWG 20...6		
	4 kV / 3		
	A6 / V-0		

**UL**

Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...10	
18 / 1.0 x 5.5 mm	

Approval in progress

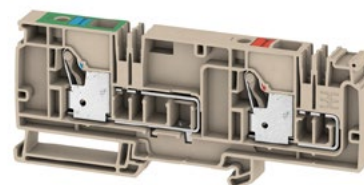
Type	Qty.	Order No.
AAP22 10 LO-LO	20	2428990000

Type	current	Qty.	Order No.
ZQV 4N/2 RD		60	2460450000
ZQV 4N/10 RD		20	2460740000
ZQV 4N/2 BL	32 A	60	1528040000
ZQV 4N/10 BL	32 A	20	1528230000
AEP AP22		20	2429040000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

All MultiMark variants (MM) = strip markers

### AAP22 10 FE-LO

10 mm<sup>2</sup>



12 x 129 x 53.5	
<b>17 / 10</b>	
<b>0.5...10</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		
17	51		
10	AWG 20...6		
	4 kV / 3		
	A6 / V-0		

**UL**

Rated connection	
0.5...10 / 0.5...10	
0.5...10 / 0.5...10	
18 / 1.0 x 5.5 mm	

Approval in progress

Type	Qty.	Order No.
AAP22 10 FE-LO	20	2429000000

Type	current	Qty.	Order No.
ZQV 4N/2 RD		60	2460450000
ZQV 4N/10 RD		20	2460740000
ZQV 4N/2 BL	32 A	60	1528040000
ZQV 4N/10 BL	32 A	20	1528230000
AEP AP22		20	2429040000
AEB 35 SC/1		50	1991920000
ZEW 35/2		20	8630740000
PS 2.0 MC		20	0310000000
SDIL 1,0x5,5x125		1	9042130000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

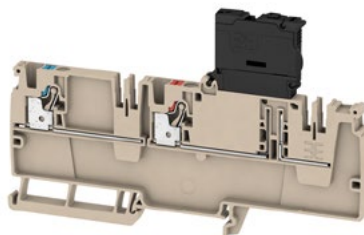
All MultiMark variants (MM) = strip markers



AAP - potential distribution terminal blocks

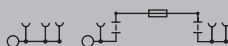
AAP22 4 LI-FS

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

6.1 x 129 x 82
<b>6.3 / 4</b>
<b>0.5...4</b>



Technical data

<b>Rated data</b>	
Rated voltage to adjoining terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length	
Blade size	

In accordance with IEC 60947-7-1, In accordance with IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
500	300 (D)		
6.3	10		
4	AWG 26...10		
		4 kV / 3	
		V-0	

<b>Rated connection</b>	
0.5...4 / 0.5...4	
0.5...4 / 0.5...4	
12 mm	
0.6 x 3.5 mm	

Note

Approval in progress

Ordering data

<b>Version</b>	
250 V AC/DC, without LED	
10-36 V AC/DC, with LED	
30-70 V AC/DC, with LED	
60-150 V AC/DC, with LED	
100-250 V AC/DC, with LED	
<b>Note</b>	

Type	Qty.	Order No.
AAP22 4 LI-FS	50	2429010000
AAP22 4 LI-FS 10-36V	50	2459010000
AAP22 4 LI-FS 30-70V	50	2460140000
AAP22 4 LI-FS 60-150V	50	2460130000
AAP22 4 LI-FS 100-250V	50	2460120000

Accessories

<b>Pluggable cross-connection</b>	
2-pole / blue	
10-pole/ blue	
2-pole/ red	
10-pole / red	
<b>End plate / Partition plate</b>	
<b>End bracket</b>	
dark beige	
dark beige	
<b>Screwdriver</b>	
Standard	
<b>Identification systems</b>	

Type	current	Qty.	Order No.
ZQV 4N/2 BL	32 A	60	1528040000
ZQV 4N/10 BL	32 A	20	1528230000
ZQV 4N/2 RD		60	2460450000
ZQV 4N/10 RD		20	2460740000
AEP AP22		20	2429040000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
SDIL 0,6x3,5x100		1	9042110000
WS 10/6 M PLUS MC NE WS		600	2003780000
DEK 5/6 MM WS		600	2007120000
WS 8/6 MM WS		600	2007160000
DEK 5/6 PLUS MC NE WS		1000	1011320000
G 20/0.25A/F		10	0430500000
G 20/0.50A/F		10	0430600000
G 20/1.00A/F		10	0430700000
G 20/2.00A/F		10	0430900000

<b>G-fuse cartridge, 5 x 20 mm (IEC 60127-2)</b>	
0.25 A fast	
0.50 A fast	
1.00 A fast	
2.00 A fast	

For detailed information on other accessories and application in the online catalogue

All MultiMark variants (MM) = strip markers



# Load monitoring and potential distribution in one complete solution

## maxGUARD – taking control voltage distribution to a new level

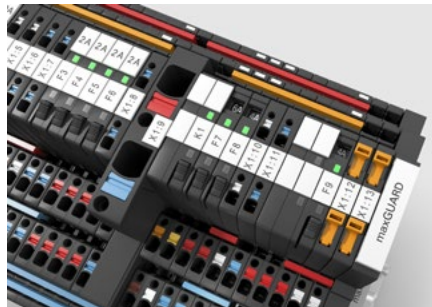
Fail-safe and maintenance-friendly control voltage distributions that can be installed in a time- and space-saving manner are a must for efficient machine and facility operation. With the new maxGUARD system, the terminal blocks (previously installed separately) for distributing potential to the outputs of the electronic load monitors become an integral part of a 24 V DC control voltage distribution solution. The new combination of load monitoring and potential distribution saves time during installation, increases safety against failure and reduces the amount of space required on the terminal rail by 50 %.



B

### Extreme ease of servicing

Sophisticated operating, testing and connection elements permit safe access to all voltage potentials and load circuits during commissioning and maintenance.



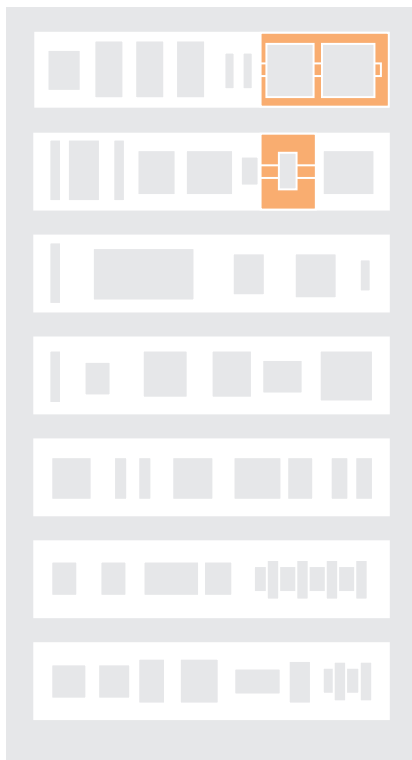
### Particularly space-saving

Electronic load monitors and potential distributors with a 6.1 mm pitch.



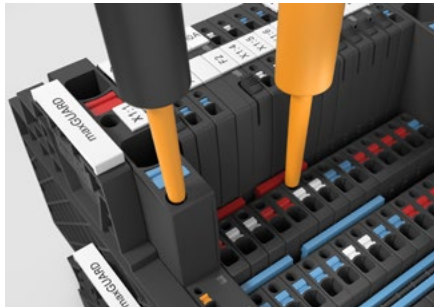
6.1 mm

Space saving  
of up to  
**50 %**



### Integrated test point

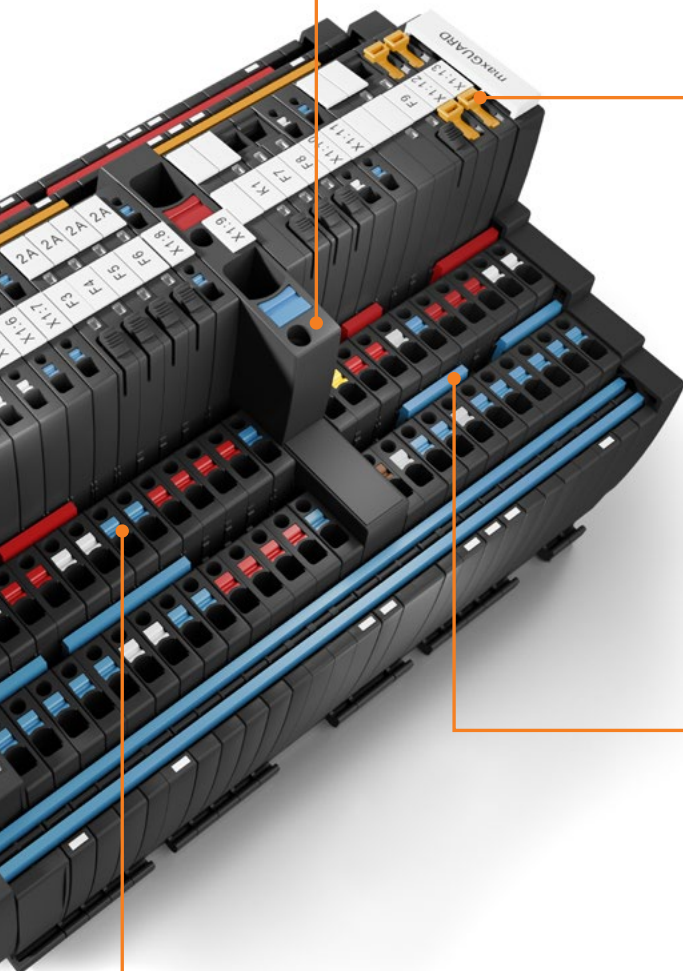
Consistently integrated test points in the maxGUARD control voltage distribution's input and output speed up troubleshooting operations.



New approvals:  
Marine,  
Class 2, Ex

### Practical disconnecting lever

Potential distributor with a disconnecting lever for simple galvanic isolation of the load circuit for testing and checking purposes.



B

### Unique cross-connectors

Less time and effort needed for wiring due to cross-connections between load monitoring and potential distribution terminals.



Time saving  
of up to  
20 %

### Can be used in a customised way

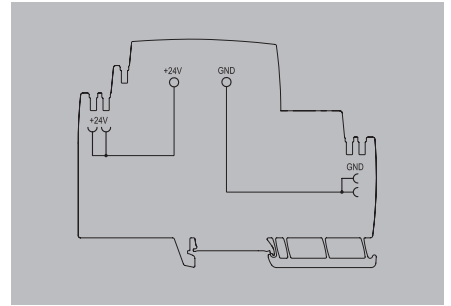
The sheer range of variants and the very different potential distribution terminals and additional components enable customised solutions at all times.

**Control voltage distribution  
PUSH IN connection**

**maxGUARD – power-feed module**

Passive power-feed module

**AMG FIM-0**



**Technical data**

Input	
Input fuse (internal)	No
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	
Current consumption (full load)	
max. admissible residual ripple at the input	100 mVpp
Surge protection	
General data	
Protection degree	IP20
Control inputs	No
Overvoltage category	III
Connection data	
Number of terminals	2 (+,-)
Wire cross-section, AWG/kcmil min/max	18...6
Wire cross-section, flexible min/max	0.75...16 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.75...10 mm <sup>2</sup>
Screwdriver blade	1.2 x 6.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

**Ordering data**

Rated current	Type	Qty.	Order No.
	AMG FIM-0	1	2081870000
Note			

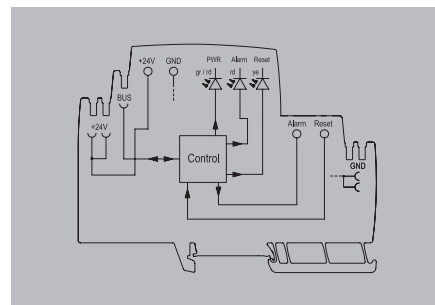




## maxGUARD – power-feed module

Active power-feed module with reset and alarm function

## AMG FIM-C



### Technical data

Input
Input fuse (internal)
DC input voltage range
Rated input voltage
Current consumption (idle)
Current consumption (full load)
max. admissible residual ripple at the input
Surge protection
General data
Protection degree
Control inputs
Overtoltage category
Signalling
LED yellow
LED green
LED red
Transistor output, positive-switching
Connection data
Number of terminals
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade
Approvals
Approvals
Note

No
18...30 V DC
24 V DC
20 mA
120 mA
100 mVpp
Suppressor diode
IP20
Reset
III
External reset is signalled, Alarm is signalled
Operating voltage OK
Alarm
Alarm
2 (+,-)
18...6
0.75...16 mm <sup>2</sup>
0.75...10 mm <sup>2</sup>
1.2 x 6.5
CE (in preparation: TÜV (60950), cULus, UL 2367)

### Ordering data

Rated current
Note

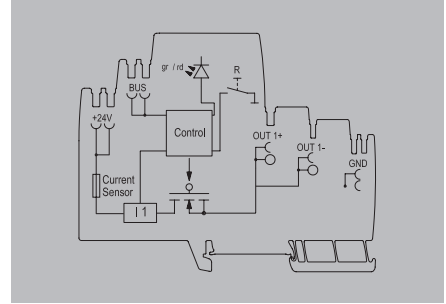
Type	Qty.	Order No.
AMG FIM-C	1	2081880000

**Control voltage distribution  
PUSH IN connection**

**maxGUARD – load monitoring (fixed value)**

Electronic load monitoring with fixed current (without I > 90% function)

**AMG ELM - xF**



**Technical data**

<b>Input</b>
Input fuse (internal)
DC input voltage range
Rated input voltage
Current consumption (idle) / Current consumption (full load)
max. admissible residual ripple at the input
<b>Output</b>
Connection system
Triggering characteristic
Switch-on delay
Capacitive load
Surge protection
<b>Function key</b>
LED initial state
Pressing the button
LED, subsequent state
Output, subsequent state
<b>General data</b>
Relay to activate the output
Protection degree / Overvoltage category
<b>Signalling</b>
LED green
LED red
<b>Connection data</b>
Number of terminals
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade
<b>Approvals</b>
Approvals
<b>Note</b>

**Ordering data**

<b>Rated current</b>	1.00 A
	2.00 A
	4.00 A
	6.00 A
<b>Note</b>	

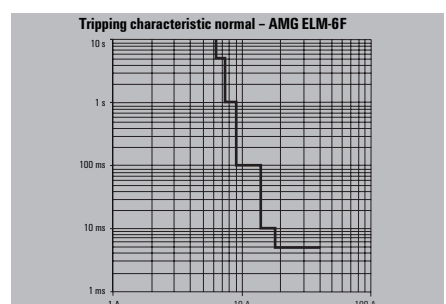
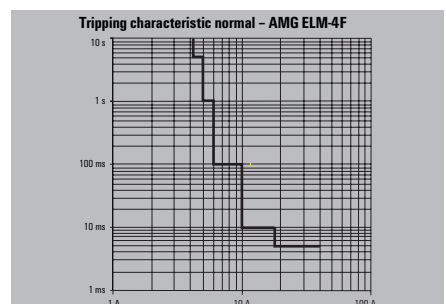
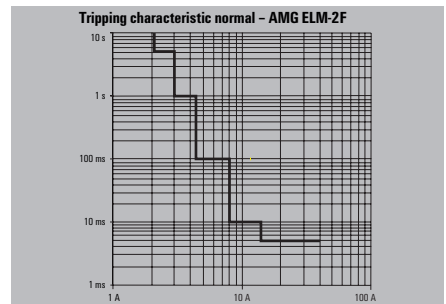
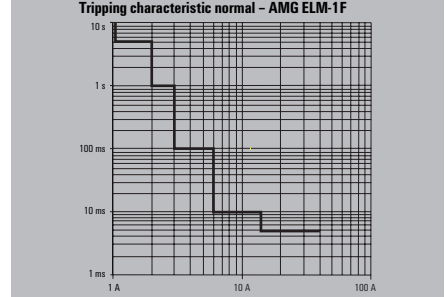
**Accessories**

<b>Note</b>
-------------

Yes		
18...30 V DC		
24 V DC		
25 mA / I <sub>out</sub> +30 mA		
100 mVpp		
<b>PUSH IN</b>		
see characteristic curve		
1 s		
2080420000: 10,000 µF;		
2080480000: 10,000 µF;		
2080490000: 10,000 µF;		
2080500000: 15,000 µF		
Suppressor diode		
LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
Red LED switched off	Red LED switched off	LED green switched on
<b>No</b>		
IP20 / III		
<b>Operation (failure-free)</b>		
Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
2 (+ / -)		
26...12		
0.14...2.5 mm <sup>2</sup>		
0.14...2.5 mm <sup>2</sup>		
0.6 x 3.5		
CE (in preparation: TÜV (60950), cULus, UL 2367)		

Type	Qty.	Order No.
AMG ELM-1F	1	2080420000
AMG ELM-2F	1	2080480000
AMG ELM-4F	1	2080490000
AMG ELM-6F	1	2080500000

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000



### maxGUARD – load monitoring (fixed value)

Electronic load monitoring with fixed rated current  
(without  $I > 90\%$  pre warning)

#### Technical data

Input	
Input fuse (internal)	Yes
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	$I_{OUT} + 30$ mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Suppressor diode
Output	
Connection system	PUSH IN
Triggering characteristic	see characteristic curve
Switch-on delay	1 s
Capacitive load	2080600000: 15,000 $\mu$ F; 2080650000: 20,000 $\mu$ F
Function key	
LED initial state	LED green, in operation
Pressing the button	> 0.1 to 2 s (manual disconnect)
LED, subsequent state	LED flashing red, load monitoring has triggered (disconnected)
Output, subsequent state	LED red (permanently lit)
General data	
Relay to activate the output	No
Protection degree	IP20
Overvoltage category	III
Signalling	
LED green	Operation (failure-free)
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Connection data	
Number of terminals	4 (++) / (-)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

#### Ordering data

Rated current	8.00 A	10.00 A
Note		

#### Accessories

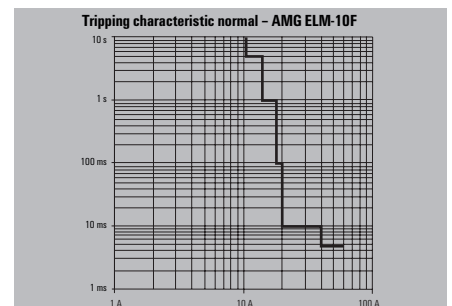
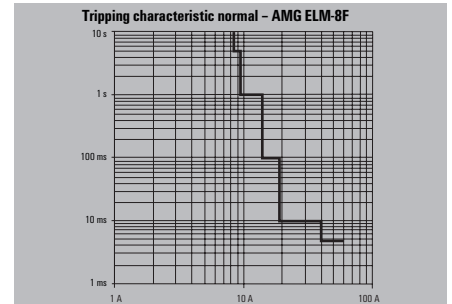
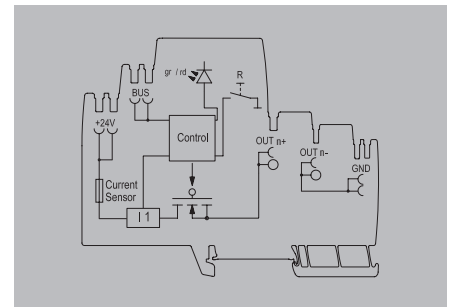
Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000
Note		

### AMG ELM - xF



Type	Qty.	Order No.
AMG ELM-8F	1	2080600000
AMG ELM-10F	1	2080650000
Operation (failure-free)		
LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
Red LED switched off	Red LED switched off	LED green switched on
Note		

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000
Note		

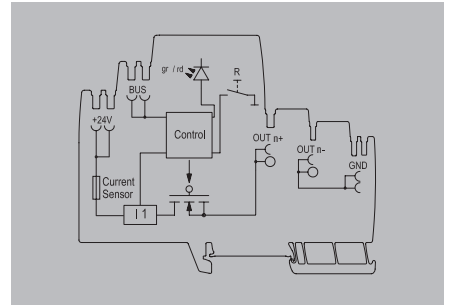


**Control voltage distribution  
PUSH IN connection**

**maxGUARD – load monitoring (fixed value),  
Class 2**

Electronic load monitoring with fixed rated current  
(without I > 90 % pre warning)  
• Class 2 Approval

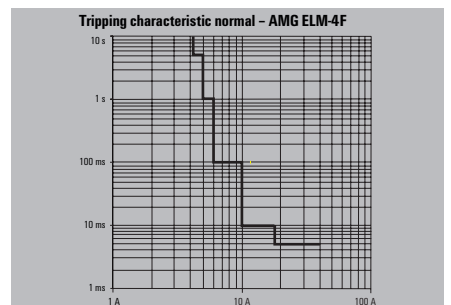
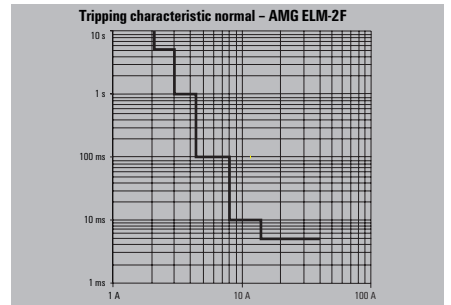
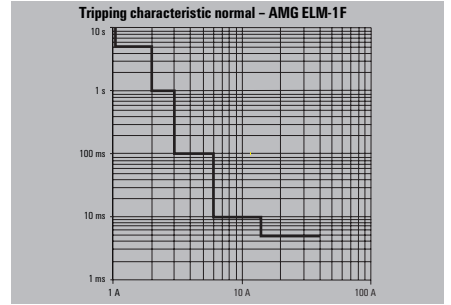
**AMG ELM - xF CL2**



**Technical data**

Input	
Input fuse (internal)	Yes
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	I <sub>OUT</sub> +30 mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Suppressor diode
Output	
Connection system	PUSH IN
Triggering characteristic	see characteristic curve
Switch-on delay	1 s
Capacitive load	4.700 µF

Function key			
LED initial state	LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
LED, subsequent state	Red LED switched off	Red LED switched off	LED green switched on
General data			
Relay to activate the output	No		
Protection degree	IP20		
Overvoltage category	III		
Signalling			
LED green	Operation (failure-free)		
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
Connection data			
Number of terminals	2 (+ / -)		
Wire cross-section, AWG/kcmil min/max	26...12		
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>		
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>		
Screwdriver blade	0.6 x 3.5		
Approvals			
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, class 2 (UL 1310))		
Note			



**Function key**

LED initial state
Pressing the button
LED, subsequent state
Output, subsequent state

**General data**

Relay to activate the output	
Protection degree	
Overvoltage category	
Signalling	
LED green	
LED red	

**Connection data**

Number of terminals
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade

**Approvals**

Approvals	
Note	

**Ordering data**

	1.00 A
	2.00 A
	4.00 A
Note	

Type	Qty.	Order No.
AMG ELM-1F CL2	1	2491270000
AMG ELM-2F CL2	1	2491280000
AMG ELM-4F CL2	1	2491290000



### maxGUARD – load monitoring adjustable

Electronic load monitoring with adjustable triggering current and triggering characteristic

### AMG ELM-6



#### Technical data

Input	
Input fuse (internal)	
DC input voltage range	
Rated input voltage	
Current consumption (idle)	
Current consumption (full load)	
max. admissible residual ripple at the input	
Output	
Connection system	
Triggering characteristic	
Backup modes	
Switch-on delay	
Capacitive load	
adjustable rated current	
Surge protection	
Function key	
LED initial state	
Pressing the button	
LED, subsequent state	
Output, subsequent state	
General data	
Relay to activate the output	
Protection degree	
Overvoltage category	
Signalling	
LED green	
LED red	
Connection data	
Number of terminals	
Wire cross-section, AWG/kcmil min/max	
Wire cross-section, flexible min/max	
Wire cross-section, rigid min/max	
Screwdriver blade	
Approvals	
Approvals	
Note	

#### Ordering data

Rated current	
	6.00 A
Note	

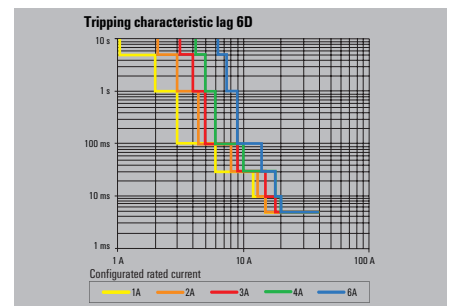
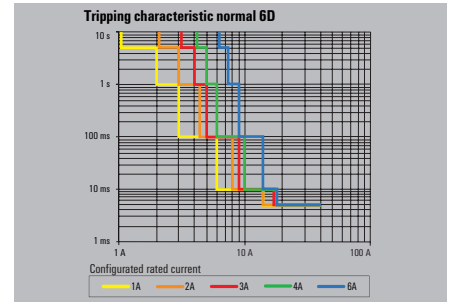
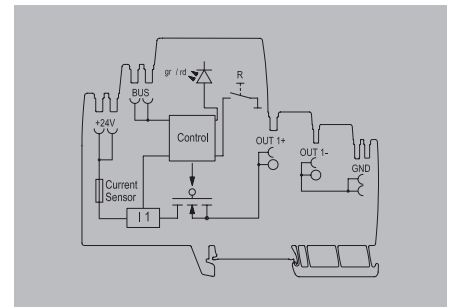
#### Accessories

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000
Note		

Yes		
18...30 V DC		
24 V DC		
25 mA		
I <sub>OUT</sub> +30 mA		
100 mVpp		
PUSH IN		
see characteristic curve		
1- 6 A		
1 s		
15,000 µF		
Yes		
Suppressor diode		
LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
Red LED switched off	Red LED switched off	LED green switched on
No		
IP20		
III		
Operation (failure-free), Early warning: I <sub>Out</sub> > 90% I <sub>Rated</sub> (flashing) Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
2 (+ / -)		
26...12		
0.14...2.5 mm <sup>2</sup>		
0.14...2.5 mm <sup>2</sup>		
0.6 x 3.5		
CE (in preparation: TÜV (60950), cULus, UL 2367)		

Type	Qty.	Order No.
AMG ELM-6	1	2080360000

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000

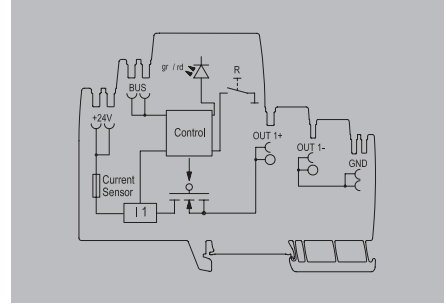


**Control voltage distribution  
PUSH IN connection**

**maxGUARD – load monitoring adjustable**

Electronic load monitoring with adjustable trigger current and characteristic (with I > 90 % pre warning)

**AMG ELM-12**



**Technical data**

<b>Input</b>	
Input fuse (internal)	Yes
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	I <sub>OUT</sub> +30 mA
max. admissible residual ripple at the input	100 mVpp
<b>Output</b>	
Connection system	PUSH IN
Triggering characteristic	see characteristic curve
Backup modes	4-12 A
Switch-on delay	1 s
adjustable rated current	Yes
Capacitive load	20,000 µF
Surge protection	Suppressor diode
<b>Function key</b>	
LED initial state	LED green, in operation
Pressing the button	LED flashing red, load monitoring has triggered (disconnected)
LED, subsequent state	LED red (permanently lit)
Output, subsequent state	> 0.1 to 2 s (manual disconnect)    > 0.1 to 2 s (confirm and reset)    > 0.1 to 2 s (restart)
<b>General data</b>	
Relay to activate the output	Red LED
Protection degree	Red LED switched off
Overvoltage category	LED green
<b>Signalling</b>	
LED green	LED red
<b>Connection data</b>	
Number of terminals	No
Wire cross-section, AWG/kcmil min/max	IP20
Wire cross-section, flexible min/max	III
Wire cross-section, rigid min/max	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)
Screwdriver blade	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
<b>Approvals</b>	
Approvals	4 (++) / -)
<b>Note</b>	
	26...12
	0.14...2.5 mm <sup>2</sup>
	0.14...2.5 mm <sup>2</sup>
	0.6 x 3.5
CE (in preparation: TÜV (60950), cULus, UL 2367)	

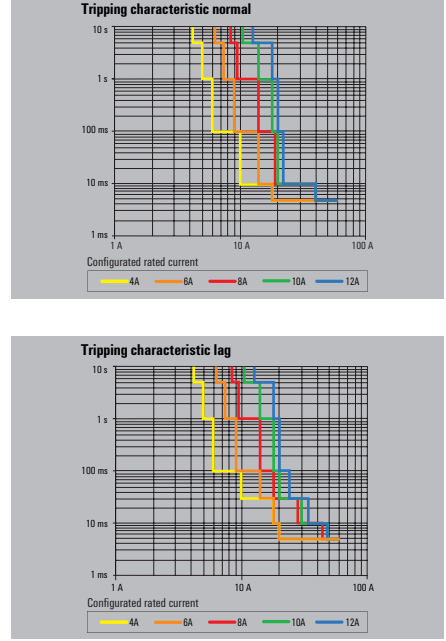
**Ordering data**

<b>Rated current</b>	12.00 A
<b>Note</b>	

**Accessories**

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000
<b>Note</b>		

<b>Tripping characteristic normal</b>	<b>Tripping characteristic lag</b>



### maxGUARD – load monitoring with relay

Electronic load monitoring with 2-pole output relay for all-pole load disconnection; triggering current and triggering characteristic adjustable.

#### Technical data

Input
Input fuse (internal)
DC input voltage range
Rated input voltage
Current consumption (idle)
max. admissible residual ripple at the input

Output
Connection system
Triggering characteristic
Backup modes

Switch-on delay  
adjustable rated current  
Capacitive load

#### Surge protection

Function key
LED initial state

Pressing the button

LED, subsequent state  
Output, subsequent state

General data
Relay to activate the output
Protection degree / Surge protection
Conformal coating

Signalling
LED green
LED red

Connection data
Number of terminals
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade

Approvals
Approvals

Note

#### Ordering data

Rated current	6.00 A	10.00 A
Note		

#### Accessories

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000

Note

### AMG ELM – adjustable with output relay



Yes
18...30 V DC
24 V DC
40 mA
100 mVpp

PUSH IN
see characteristic curve
2082470000: 4- 10 A
2082440000: 1- 6 A

1 s
Yes
20,000 µF
15,000 µF
Suppressor diode

LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)

Red LED switched off	Red LED switched off	LED green switched on
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General data
Yes
IP20 / Suppressor diode
Yes

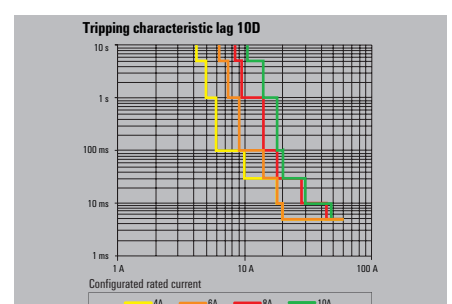
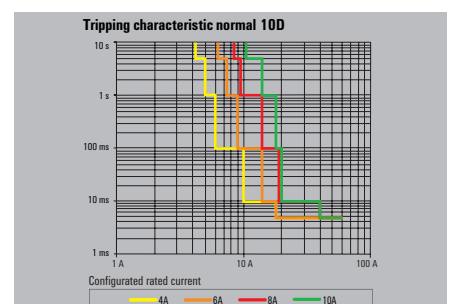
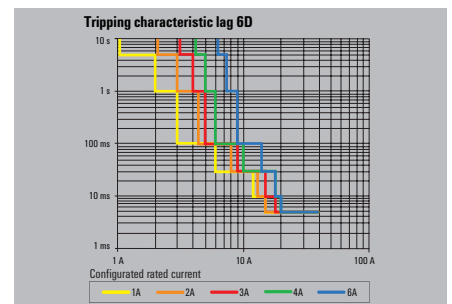
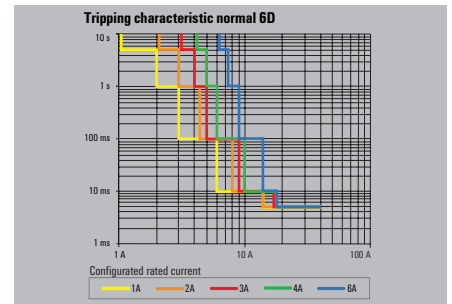
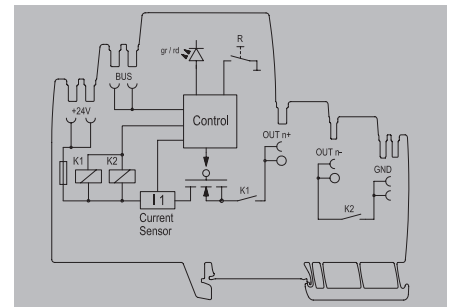
Operation (failure-free), Early warning: I Out > 90% I Rated (flashing) Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
--

6 (3x + / 3x -)
26...12
0.14...2.5 mm <sup>2</sup>
0.14...2.5 mm <sup>2</sup>
0.6 x 3.5

CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)
--

Type	Qty.	Order No.
AMG ELM-6D CO	1	2082440000
AMG ELM-10D CO	1	2082470000

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000

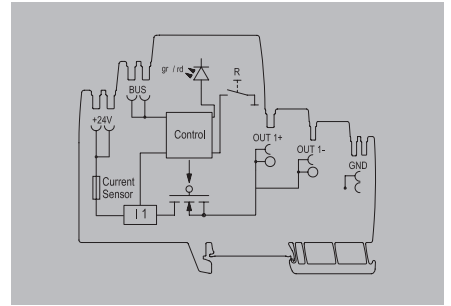
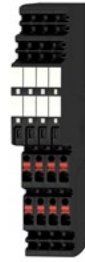


## Control voltage distribution PUSH IN connection

### maxGUARD – load monitoring, 4 channels

4-channel electronic load monitoring with fixed triggering current.

### AMG ELM - Qxxxx



#### Technical data

Input	
Input fuse (internal)	Yes
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle) / Current consumption (full load)	35 mA / 4x I <sub>OUT</sub> +45 mA
max. admissible residual ripple at the input	100 mVpp
Output	
Connection system	PUSH IN
Triggering characteristic	see characteristic curve
Switch-on delay	1 s
adjustable rated current	No
Capacitive load	10,000 µF
Surge protection	Suppressor diode
Rated current per channel	2080750000: 2 A; 2 A; 2 A; 2 A 2081650000: 2 A; 2 A; 4 A; 4 A 2081820000: 2 A; 2 A; 6 A; 6 A 2080880000: 4 A; 4 A; 4 A; 4 A 2080920000: 6 A; 6 A; 6 A; 6 A
Number of channels	4
Function key	
LED initial state	LED green, in operation      LED flashing red, load monitoring has triggered (disconnected)      LED red (permanently lit)
Pressing the button	> 0.1 to 2 s (manual disconnect)      > 0.1 to 2 s (confirm and reset)      > 0.1 to 2 s (restart)
LED, subsequent state	Red LED
Output, subsequent state	Red LED switched off      Red LED switched off      LED green switched on
General data	
Relay to activate the output	No
Protection degree / Overvoltage category	IP20 / III
Signalling	
LED green	Operation (failure-free)
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Connection data	
Number of terminals	8 (4x ++)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

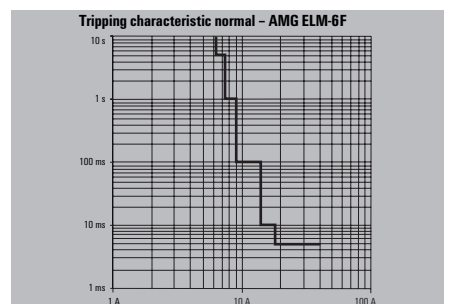
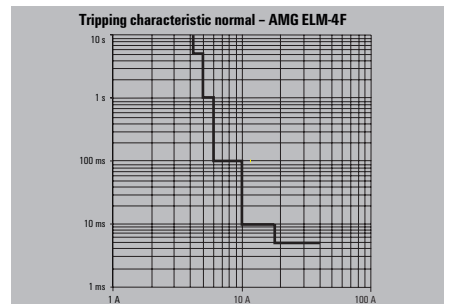
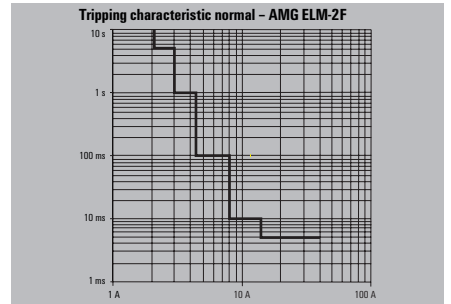
#### Ordering data

Rated current	
Note	

#### Accessories

Type	Qty.
AMG XMD	10
Note	

Type	Qty.	Order No.
AMG ELM-Q2222	1	2080750000
AMG ELM-Q2244	1	2081650000
AMG ELM-Q2266	1	2081820000
AMG ELM-Q4444	1	2080880000
AMG ELM-Q6666	1	2080920000

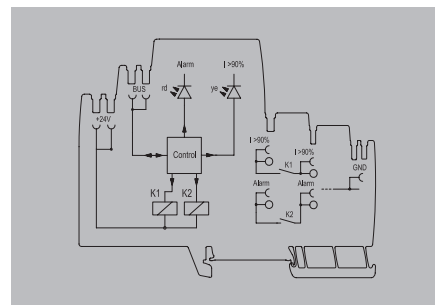




## maxGUARD – Alarm module

Alarm module with potential-free contacts for the "Alarm" and "I>90%" signals.

## AMG AM



### Technical data

Input	
Input fuse (internal)	No
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	30 mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Suppressor diode
General data	
Protection degree	IP20
Overvoltage category	III
Signalling	
LED yellow	Current > 90% Inom (flashing)
LED red	Alarm
Floating contact	Yes
Status relay (max. load)	Alarm (24 V / 0.1 A), I > 90% (24 V / 0.1 A)
Connection data	
Number of terminals	4 (2 x NO)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

### Ordering data

Rated current	
Note	

Type	Qty.	Order No.
AMG AM	1	2081890000

### Accessories

Pluggable cross-connection	
50-pole	
50-pole / red	
50-pole / blue	
2-pole	
2-pole / red	
2-pole / blue	
Note	

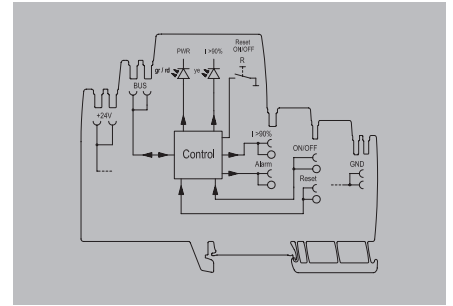
Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	5	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

**Control voltage distribution  
PUSH IN connection**

**maxGUARD – control module**

Control module with extended control function: Alarm, Reset, I>90%, ON/OFF

**AMG CM**



**Technical data**

Input	
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	225 mA
max. admissible residual ripple at the input	100 mVpp
Output	
Connection system	PUSH IN
Surge protection	Suppressor diode
General data	
Relay to activate the output	No
Protection degree	IP20
Control inputs	ON/ OFF, Reset
Overvoltage category	III
Signalling	
LED green	Operation (failure-free), Early warning: I Out > 90% I Rated (flashing)
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Transistor output, positive-switching	Pre-warning, Alarm
Connection data	
Number of terminals	2 (Reset / ON)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

Type	Qty.	Order No.
AMG CM	1	2081900000

**Ordering data**

Rated current	
Note	

**Accessories**

Pluggable cross-connection	
50-pole	ZQV 4N/50
50-pole / red	ZQV 4N/50 RD
50-pole / blue	ZQV 4N/50 BL
2-pole	ZQV 4N/2
2-pole/ red	ZQV 4N/2 RD
2-pole / blue	ZQV 4N/2 BL
Note	

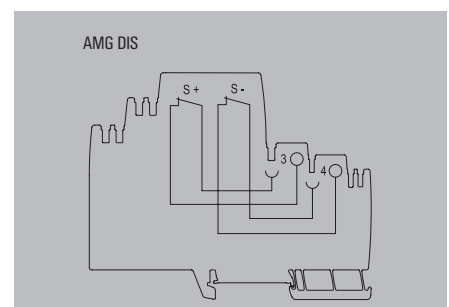
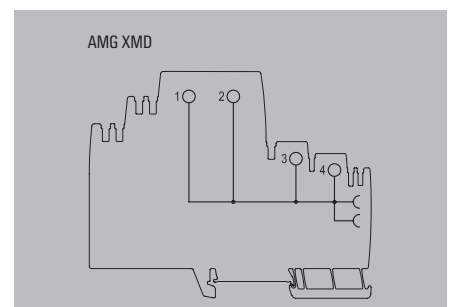
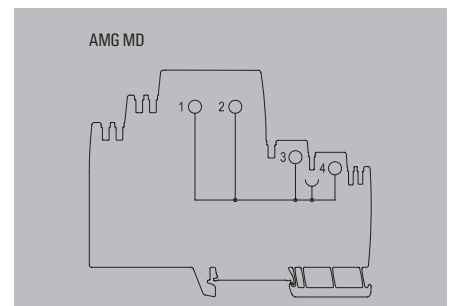
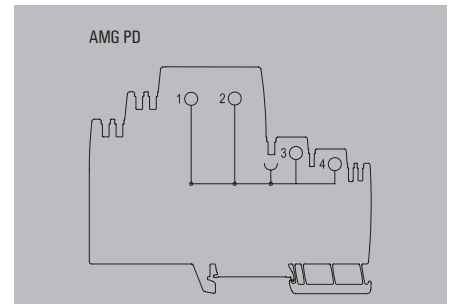
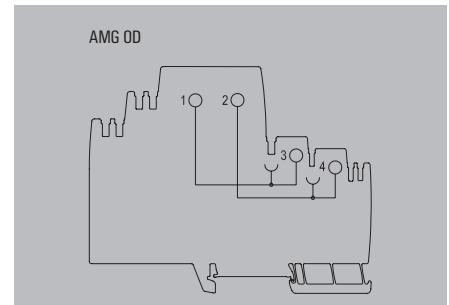
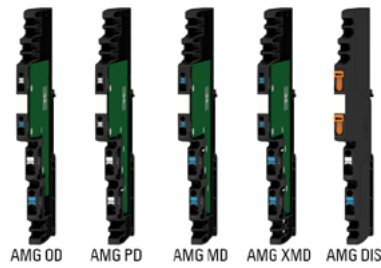
Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	5	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000



## maxGUARD – Potential distributor

Potential distribution in combination with the electronic load monitoring.

## AMG



### Technical data

General data	
Protection degree	IP20
Total current load per potential	2122910000: 12 A; 2122920000: 12 A; 2122930000: 12 A; 2122940000: 24 A; 2123050000: 12 A
Current load per contact point	12 A
Connection data	
Connection system	PUSH IN
Number of terminals	2 x 1.5 mm <sup>2</sup> , 2 x 2.5 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367)
Note	

### Ordering data

Type	Qty.	Order No.
AMG OD	10	2122910000
AMG PD	10	2122920000
AMG MD	10	2122930000
AMG XMD	10	2122940000
AMG DIS	10	2123050000

Note

### Accessories

Pluggable cross-connection	
50-pole	ZQV 4N/50
50-pole / red	ZQV 4N/50 RD
50-pole / blue	ZQV 4N/50 BL
2-pole	ZQV 4N/2
2-pole / red	ZQV 4N/2 RD
2-pole / blue	ZQV 4N/2 BL

Note

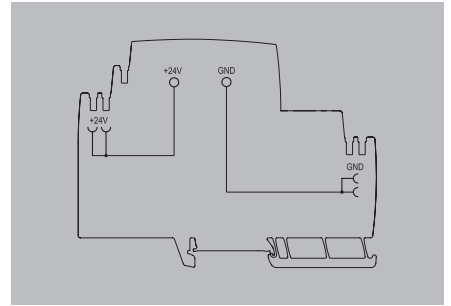
Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	5	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

**Control voltage distribution  
PUSH IN connection**

**maxGUARD – power-feed module**

Passive power-feed module

**AMG FIM-0 Ex**



**Technical data**

Input	
Input fuse (internal)	No
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	
Current consumption (full load)	
max. admissible residual ripple at the input	100 mVpp
Surge protection	
General data	
Protection degree	IP20
Control inputs	No
Overvoltage category	III
Connection data	
Number of terminals	2 (+,-)
Wire cross-section, AWG/kcmil min/max	18..6
Wire cross-section, flexible min/max	0.75...16 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.75...10 mm <sup>2</sup>
Screwdriver blade	1.2 x 6.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)
Note	

**Ordering data**

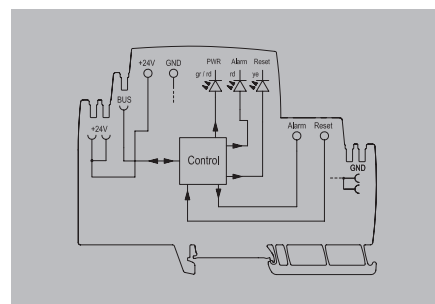
Rated current	Type	Qty.	Order No.
	AMG FIM-0 EX	1	2082530000
Note			



## maxGUARD – power-feed module

Active power-feed module with reset and alarm function

## AMG FIM-C Ex



### Technical data

Input
Input fuse (internal)
DC input voltage range
Rated input voltage
Current consumption (idle)
Current consumption (full load)
max. admissible residual ripple at the input
Surge protection
General data
Protection degree
Control inputs
Overvoltage category
Signalling
LED yellow
LED green
LED red
Transistor output, positive-switching
Connection data
Number of terminals
Wire cross-section, AWG/kcmil min/max
Wire cross-section, flexible min/max
Wire cross-section, rigid min/max
Screwdriver blade
Approvals
Approvals
Note
Ordering data
Rated current
Note

No		
18...30 V DC		
24 V DC		
20 mA		
120 mA		
100 mVpp		
Suppressor diode		
IP20		
Reset		
III		
External reset is signalled, Alarm is signalled		
Operating voltage OK		
Alarm		
Alarm		
2 (+,-)		
18...6		
0.75...16 mm <sup>2</sup>		
0.75...10 mm <sup>2</sup>		
1.2 x 6.5		
CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)		
Type	Qty.	Order No.
AMG FIM-C EX	1	2082540000



## Control voltage distribution PUSH IN connection

### maxGUARD – load monitoring (fixed value)

Electronic load monitoring with fixed current (without I > 90% function)

#### Technical data

Input	
Input fuse (internal)	
DC input voltage range	
Rated input voltage	
Current consumption (idle) / Current consumption (full load)	
max. admissible residual ripple at the input	

Output	
Connection system	
Triggering characteristic	
Switch-on delay	
Capacitive load	

Surge protection	
Function key	
LED initial state	

Pressing the button	
LED, subsequent state	
Output, subsequent state	

General data	
Relay to activate the output	
Protection degree / Overvoltage category	

Signalling	
LED green	
LED red	

Connection data	
Number of terminals	
Wire cross-section, AWG/kcmil min/max	
Wire cross-section, flexible min/max	
Wire cross-section, rigid min/max	
Screwdriver blade	

Approvals	
Approvals	

Note	
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#### Ordering data

Rated current	
1.00 A	
2.00 A	
4.00 A	
6.00 A	

Note	
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#### Accessories

Note	
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### AMG ELM - xF Ex



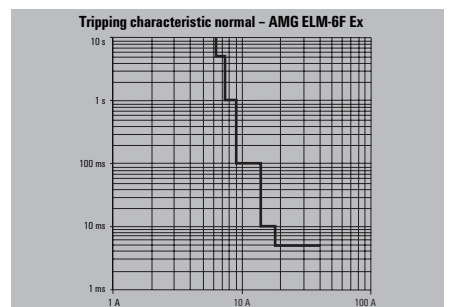
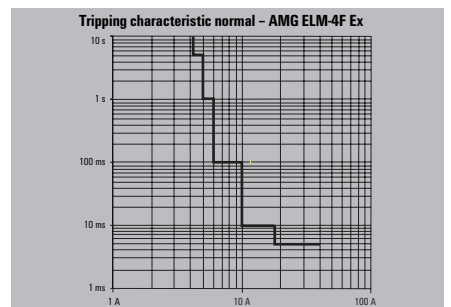
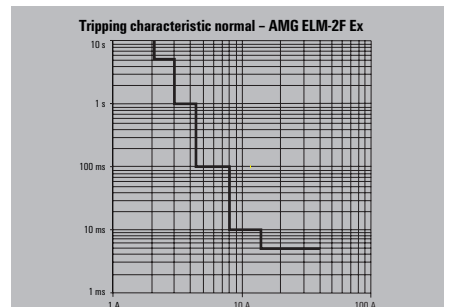
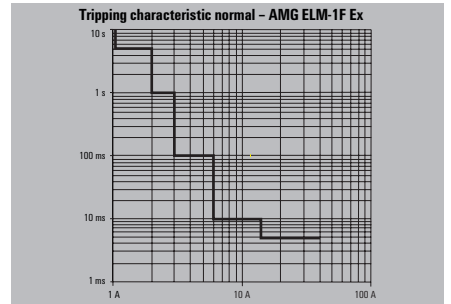
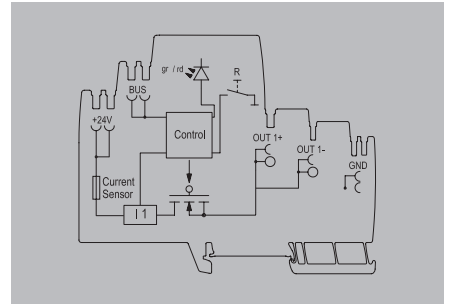
Yes	
18...30 V DC	
24 V DC	
25 mA / I <sub>out</sub> +30 mA	
100 mVpp	
PUSH IN	
see characteristic curve	
1 s	
2082040000: 10,000 µF;	
2082050000: 10,000 µF;	
2082060000: 10,000 µF;	
2082310000: 15,000 µF	
Suppressor diode	

LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
Red LED switched off	Red LED switched off	LED green switched on

No	
IP20 / III	
Operation (failure-free)	
Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)	
2 (+ / -)	
26...12	
0.14...2.5 mm <sup>2</sup>	
0.14...2.5 mm <sup>2</sup>	
0.6 x 3.5	
CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)	

Type	Qty.	Order No.
AMG ELM-1F EX	1	2082040000
AMG ELM-2F EX	1	2082050000
AMG ELM-4F EX	1	2082060000
AMG ELM-6F EX	1	2082310000

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000



## maxGUARD – load monitoring (fixed value)

Electronic load monitoring with fixed rated current  
(without  $I > 90\%$  pre warning)

### Technical data

#### Input

Input fuse (internal)  
DC input voltage range  
Rated input voltage  
Current consumption (idle)  
Current consumption (full load)  
max. admissible residual ripple at the input  
Surge protection

#### Output

Connection system  
Triggering characteristic  
Switch-on delay  
Capacitive load

#### Function key

LED initial state

Pressing the button

LED, subsequent state  
Output, subsequent state

#### General data

Relay to activate the output  
Protection degree  
Overvoltage category

#### Signalling

LED green  
LED red

#### Connection data

Number of terminals  
Wire cross-section, AWG/kcmil min/max  
Wire cross-section, flexible min/max  
Wire cross-section, rigid min/max  
Screwdriver blade

#### Approvals

Approvals

#### Note

### Ordering data

Rated current	
	8.00 A
	10.00 A

#### Note

### Accessories

#### Note

## AMG ELM - xF Ex



Yes
18...30 V DC
24 V DC
25 mA
$I_{OUT} +30\text{ mA}$
100 mVpp
Suppressor diode
PUSH IN
see characteristic curve
1 s
2082320000: 15,000 $\mu\text{F}$ ;
2082430000: 20,000 $\mu\text{F}$

LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
Red LED switched off	Red LED switched off	LED green switched on

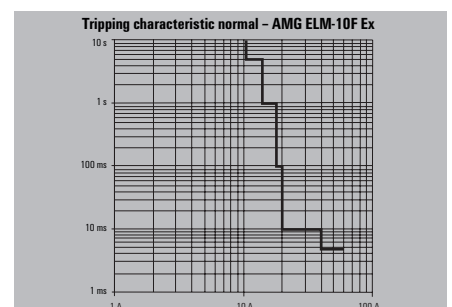
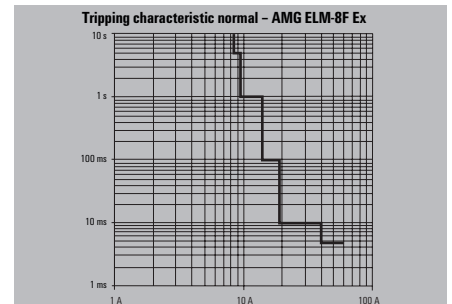
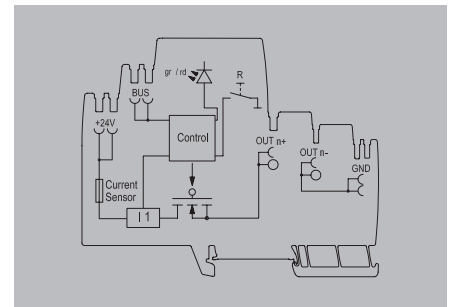
No
IP20
III
Operation (failure-free)
Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)

4 (++ / -)
26...12
0.14...2.5 mm <sup>2</sup>
0.14...2.5 mm <sup>2</sup>
0.6 x 3.5

CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)

Type	Qty.	Order No.
AMG ELM-8F EX	1	2082320000
AMG ELM-10F EX	1	2082430000

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000

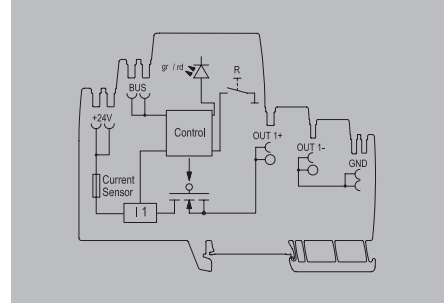


**Control voltage distribution  
PUSH IN connection**

**maxGUARD – load monitoring adjustable**

Electronic load monitoring with adjustable triggering current and triggering characteristic

**AMG ELM-6 Ex**



**Technical data**

Input	
Input fuse (internal)	Yes
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	I <sub>OUT</sub> +30 mA
max. admissible residual ripple at the input	100 mVpp
Output	
Connection system	PUSH IN
Triggering characteristic	see characteristic curve
Backup modes	1- 6 A
Switch-on delay	1 s
Capacitive load	15,000 µF
adjustable rated current	Yes
Surge protection	Suppressor diode
Function key	
LED initial state	LED green, in operation
Pressing the button	> 0.1 to 2 s (manual disconnect)
LED, subsequent state	LED flashing red, load monitoring has triggered (disconnected)
Output, subsequent state	LED red (permanently lit)
General data	
Relay to activate the output	Red LED switched off
Protection degree	Red LED switched off
Overvoltage category	LED green switched on
III	
Signalling	
LED green	Operation (failure-free), Early warning: I <sub>Out</sub> > 90% I <sub>Rated</sub> (flashing)
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Connection data	
Number of terminals	2 (+ / -)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)
Note	

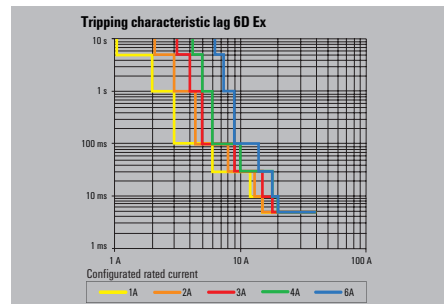
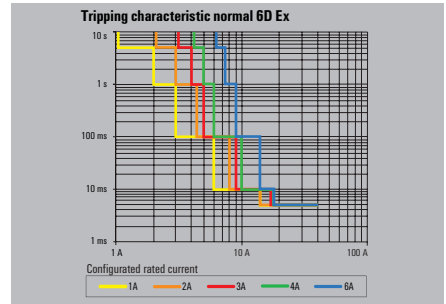
**Ordering data**

Rated current	6.00 A
Note	

**Accessories**

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000
Note		

Type	Qty.	Order No.
AMG ELM-6 EX	1	2082000000





## maxGUARD – load monitoring adjustable

Electronic load monitoring with adjustable trigger current and characteristic (with I > 90 % pre warning)

## AMG ELM-12 Ex



### Technical data

Input	
Input fuse (internal)	Yes
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	I <sub>OUT</sub> +30 mA
max. admissible residual ripple at the input	100 mVpp
Output	
Connection system	PUSH IN
Triggering characteristic	see characteristic curve
Backup modes	4-12 A
Switch-on delay	1 s
adjustable rated current	Yes
Capacitive load	20,000 µF
Surge protection	Suppressor diode
Function key	
LED initial state	LED green, in operation
Pressing the button	> 0.1 to 2 s (manual disconnect)
LED, subsequent state	LED flashing red, load monitoring has triggered (disconnected)
Output, subsequent state	LED red (permanently lit)
General data	
Relay to activate the output	No
Protection degree	IP20
Overvoltage category	III
Signalling	
LED green	LED green
LED red	LED red
Connection data	
Number of terminals	4 (++ / -)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)
Note	

### Ordering data

Rated current	
12.00 A	
Note	

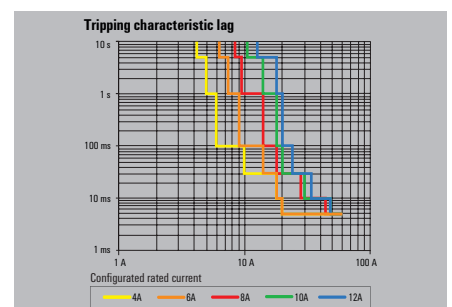
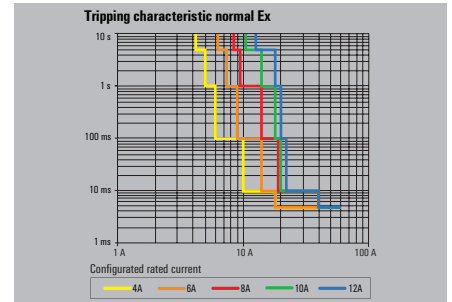
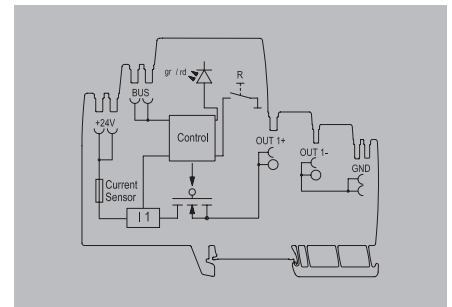
### Accessories

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000
Note		

Yes		
18...30 V DC		
24 V DC		
25 mA		
I <sub>OUT</sub> +30 mA		
100 mVpp		
PUSH IN		
see characteristic curve		
4-12 A		
1 s		
Yes		
20,000 µF		
Suppressor diode		
LED green, in operation	LED flashing red, load monitoring has triggered (disconnected)	LED red (permanently lit)
> 0.1 to 2 s (manual disconnect)	> 0.1 to 2 s (confirm and reset)	> 0.1 to 2 s (restart)
Red LED switched off	Red LED switched off	LED green switched on
No		
IP20		
III		
Operation (failure-free), Early warning: I <sub>Out</sub> > 90% I <sub>Rated</sub> (flashing)		
Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)		
4 (++ / -)		
26...12		
0.14...2.5 mm <sup>2</sup>		
0.14...2.5 mm <sup>2</sup>		
0.6 x 3.5		
CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)		

Type	Qty.	Order No.
AMG ELM-12 EX	1	2082010000

Type	Qty.	Order No.
AMG DIS	10	2123050000
AMG MD	10	2122930000
AMG OD	10	2122910000
AMG PD	10	2122920000

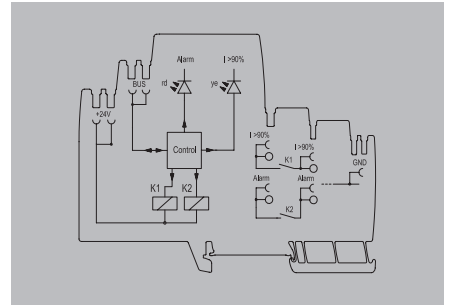


## Control voltage distribution PUSH IN connection

### maxGUARD – Alarm module

Alarm module with potential-free contacts for the "Alarm" and "I>90%" signals.

### AMG AM CO



### Technical data

Input	
Input fuse (internal)	No
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	30 mA
max. admissible residual ripple at the input	100 mVpp
Surge protection	Suppressor diode
General data	
Protection degree	IP20
Overvoltage category	III
Signalling	
LED yellow	Current > 90% Inom (flashing)
LED red	Alarm
Floating contact	Yes
Status relay (max. load)	Alarm (24 V / 0.1 A), I > 90% (24 V / 0.1 A)
Connection data	
Number of terminals	4 (2x NO)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)
Note	

### Ordering data

Rated current	Type	Qty.	Order No.
	AMG AM CO	1	2082770000
Note			

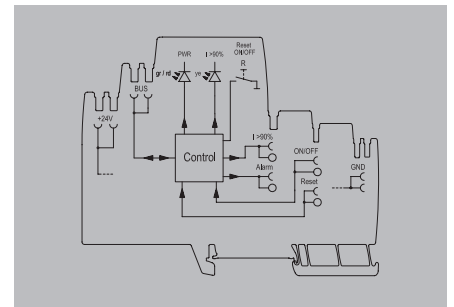
### Accessories

Pluggable cross-connection	Type	Qty.	Order No.
50-pole	ZQV 4N/50	5	1528130000
50-pole / red	ZQV 4N/50 RD	5	2460730000
50-pole / blue	ZQV 4N/50 BL	5	1528240000
2-pole	ZQV 4N/2	60	1527930000
2-pole / red	ZQV 4N/2 RD	60	2460450000
2-pole / blue	ZQV 4N/2 BL	60	1528040000
Note			

## maxGUARD – control module

Control module with extended control function: Alarm, Reset,  $I > 90\%$ , ON/OFF

## AMG CM Ex



### Technical data

Input	
DC input voltage range	18...30 V DC
Rated input voltage	24 V DC
Current consumption (idle)	25 mA
Current consumption (full load)	225 mA
max. admissible residual ripple at the input	100 mVpp
Output	
Connection system	PUSH IN
Surge protection	Suppressor diode
General data	
Relay to activate the output	No
Protection degree	IP20
Control inputs	ON/ OFF, Reset
Overvoltage category	III
Signalling	
LED green	Operation (failure-free), Early warning: $I \text{ Out} > 90\% I \text{ Rated}$ (flashing)
LED red	Load monitoring has disconnected, Load monitoring has triggered (flashing), Internal error (rapid flashing)
Transistor output, positive-switching	Pre-warning, Alarm
Connection data	
Number of terminals	2 (Reset / ON)
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)
Note	

### Ordering data

Rated current
Note

### Accessories

Pluggable cross-connection	
	50-pole
	50-pole / red
	50-pole / blue
	2-pole
	2-pole/ red
	2-pole / blue
Note	

Type	Qty.	Order No.
AMG CM EX	1	2083360000

Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	5	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

**Control voltage distribution**  
**PUSH IN connection**

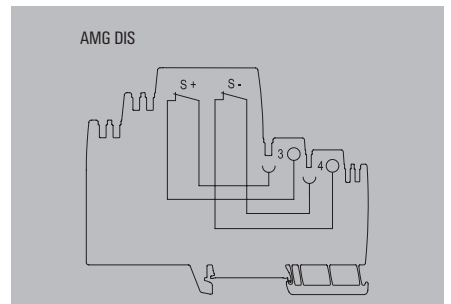
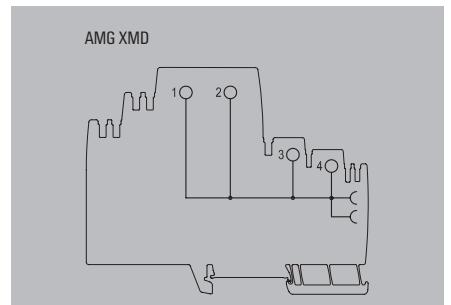
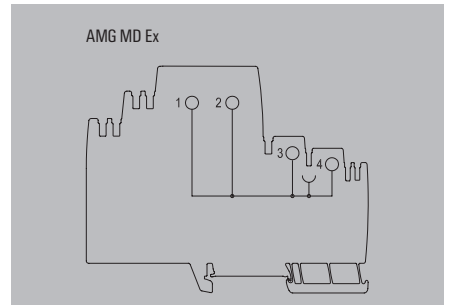
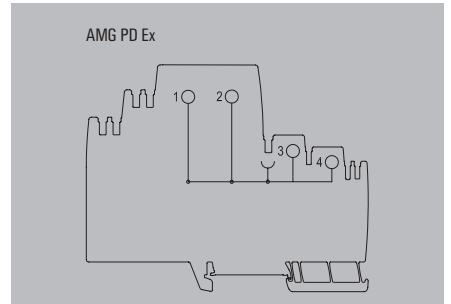
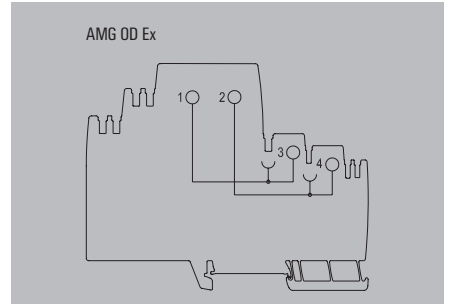
**maxGUARD – Potential distributor**

Potential distribution in combination with the electronic load monitoring.

**AMG**



AMG OD Ex AMG PD Ex AMG MD Ex AMG XMD Ex AMG DIS Ex



**Technical data**

General data	
Protection degree	IP20
Total current load per potential	2495090000: 12 A; 2495070000: 12 A; 2495040000: 12 A; 2495080000: 24 A; 2495100000: 12 A
Current load per contact point	12 A
Connection data	
Connection system	PUSH IN
Number of terminals	2 x 1.5 mm <sup>2</sup> , 2 x 2.5 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26...12
Wire cross-section, flexible min/max	0.14...2.5 mm <sup>2</sup>
Wire cross-section, rigid min/max	0.14...2.5 mm <sup>2</sup>
Screwdriver blade	0.6 x 3.5
Approvals	
Approvals	CE (in preparation: TÜV (60950), cULus, UL 2367, GL-DNV, BV, ABS, LR, RINA, ISA 12.12.01, ATEX, IECEx)
Note	

Type	Qty.	Order No.
AMG OD EX	1	2495090000
AMG PD EX	1	2495070000
AMG MD EX	10	2495040000
AMG XMD EX	1	2495080000
AMG DIS EX	1	2495100000

**Ordering data**

Note	
------	--

Type	Qty.	Order No.
ZQV 4N/50	5	1528130000
ZQV 4N/50 RD	5	2460730000
ZQV 4N/50 BL	5	1528240000
ZQV 4N/2	60	1527930000
ZQV 4N/2 RD	60	2460450000
ZQV 4N/2 BL	60	1528040000

**Accessories**

Pluggable cross-connection	
50-pole	
50-pole / red	
50-pole / blue	
2-pole	
2-pole/ red	
2-pole / blue	
Note	



maxGUARD – accessories

Cross-connector orange



Type	Qty.	Order No.
ZQV 4N/2	60	1527930000
ZQV 4N/3	60	1527940000
ZQV 4N/4	60	1527970000
ZQV 4N/5	60	1527980000
ZQV 4N/6	20	1527990000
ZQV 4N/7	20	1528020000
ZQV 4N/8	20	1528030000
ZQV 4N/9	20	1528070000
ZQV 4N/10	20	1528090000
ZQV 4N/50	5	1528130000

Cross-connector blue



Type	Qty.	Order No.
ZQV 4N/2 BL	60	1528040000
ZQV 4N/3 BL	60	1528080000
ZQV 4N/4 BL	60	1528120000
ZQV 4N/5 BL	60	1528140000
ZQV 4N/6 BL	20	1528170000
ZQV 4N/7 BL	20	1528180000
ZQV 4N/8 BL	20	1528190000
ZQV 4N/9 BL	20	1528220000
ZQV 4N/10 BL	20	1528230000
ZQV 4N/50 BL	5	1528240000

Cross-connector red



Type	Qty.	Order No.
ZQV 4N/2 RD	60	2460450000
ZQV 4N/3 RD	60	2460810000
ZQV 4N/4 RD	60	2460800000
ZQV 4N/5 RD	60	2460790000
ZQV 4N/6 RD	20	2460780000
ZQV 4N/7 RD	20	2460770000
ZQV 4N/8 RD	20	2460760000
ZQV 4N/9 RD	20	2460750000
ZQV 4N/10 RD	20	2460740000
ZQV 4N/50 RD	5	2460730000

maxGUARD – accessories

End plate and Separation plate



Type	Qty.	Order No.
AMG PP	40	2123000000
AMG EP	30	2495380000
AMG EP KIT	1	2500760000

End brackets



Type	Qty.	Order No.
WEW 35/2 SW	100	1061210000
WEW 35/2 V0 GF SW	100	1479000000

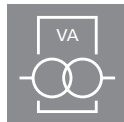
Cutting tool for ZQV



Type	Qty.	Order No.
KT 14	1	1157820000

# Efficient implementation of testing and measurement switchgear

## Safe and thorough with Klippon® Connect

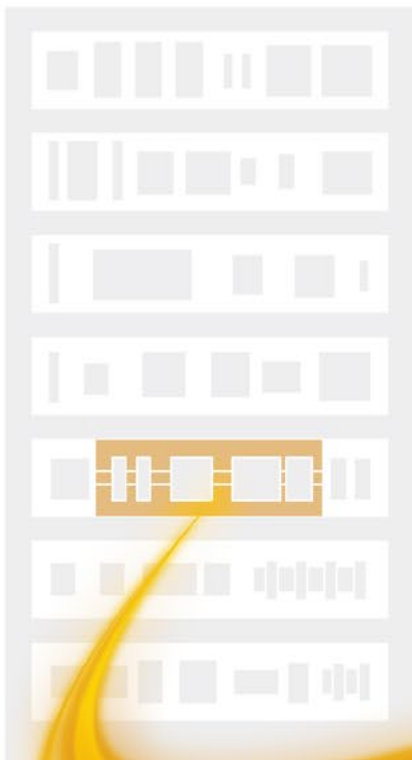


In energy monitoring, incorrect wiring can destroy current and voltage transformers. Our specially developed test-disconnect terminal blocks, in various connection technologies, are a safe way of solving this problem. Simple operation ensures error-free, convenient wiring. This guarantees the protection of your transformers and measuring devices and ensures safe, precise work. Our integrated terminal blocks, in modular design for transformer switches, also save space in the panel.

### Our promise

The sophisticated features and proven connection technologies means Klippon® Connect solves testing and measurement issues more safely and efficient. Our extensive portfolio provides flexibility and productivity at all stages of the process.

B



**Safety**

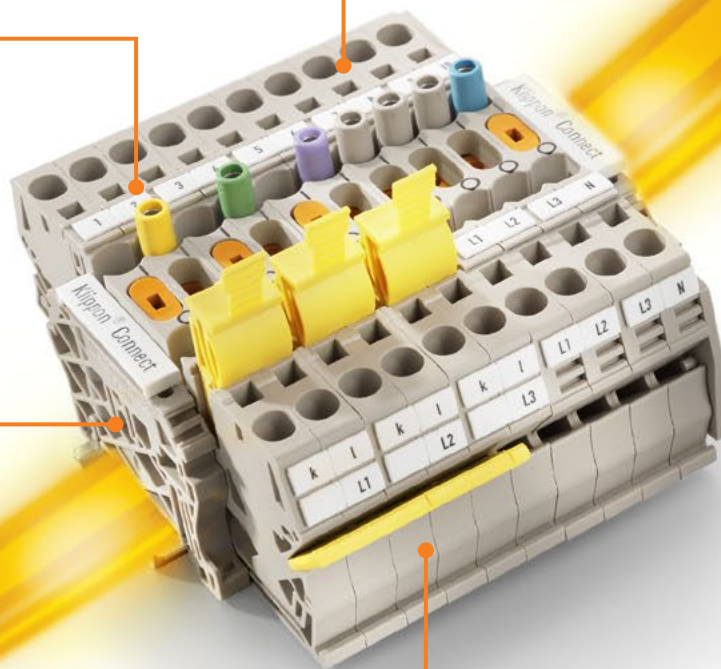
- Highest possible protection of measuring instruments against destruction by avoiding incorrect wiring
- Safe protection of connected power converters thanks to integrated short-circuit contact
- Simple, safe operation thanks to clear identification of switch status
- Lockout to secure the relevant switching status

**Space saving**

- Modular setup of transformer switching thanks to test-disconnect terminal blocks
- Design of a simple current transformer test circuit with just two terminal blocks

**Time saving**

- Extensive range of accessories consisting of test adapters, cross-connections and markers
- PUSH IN technology for quick, safe wiring



**Flexibility**

- Reliable implementation of all standard transformer switching applications
- Specially developed for all conceivable requirements



**Our range**



**Simple operation to prevent errors:**

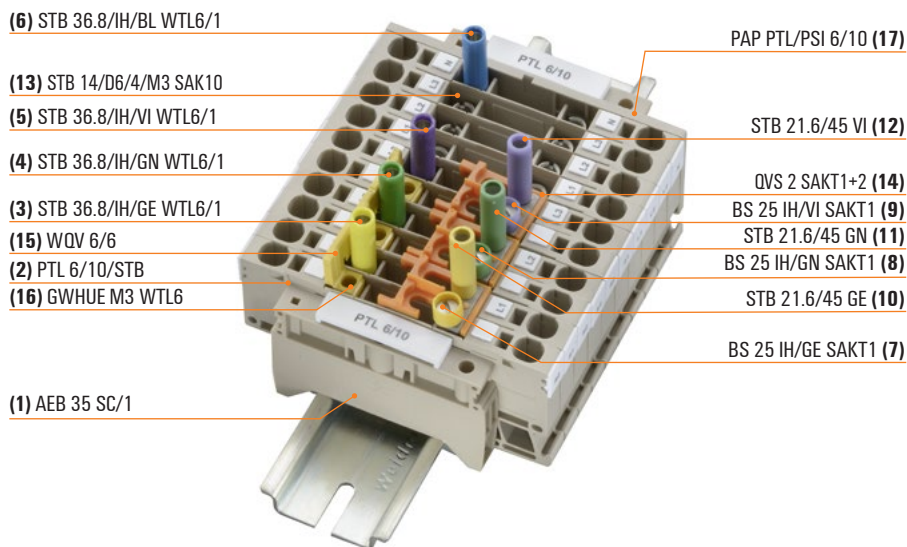
With our test-disconnect terminal blocks, based on tested Weidmüller screw connection technology, connecting challenges can be resolved clearly and cost-effectively. The screws connecting the conductors are only accessible after the current transformer has been short-circuited using the short-circuit slider. This ensures safety as it prevents accidental short-circuiting or opening of the converter circuit.



**Screwless and simple:**

Our test-disconnect terminal blocks with PUSH IN and tension clamp technology are the ideal solution to establishing switching circuits for measurement tasks. The simple operating system with a spring connection and the clear identification of the switch status guarantee safe short-circuiting and disconnecting at all times.

**Test-disconnect terminal blocks PTL / PTD**



STB 35 IH/SW



VH 19



PAP PTL

**Ordering data**

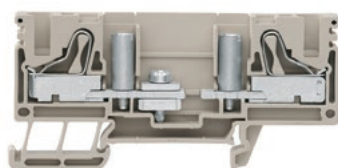
Pos.	Type	Order No.	Qty.
1	AEB 35 SC/1	1991920000	2
2	PTL 6/10/STB	1084780000	10
3	STB 36.8/IH/GE WTL6/1	1847760000	1
4	STB 36.8/IH/GN WTL6/1	1847770000	1
5	STB 36.8/IH/VI WTL6/1	1847780000	1
6	STB 36.8/IH/BL WTL6/1	1847790000	1
7	BS 25 IH/GE SAKT1	0335700000	1
8	BS 25 IH/GN SAKT1	0335600000	1
9	BS 25 IH/VI SAKT1	0335800000	1
10	STB 21.6/45 GE	1936240000	1
11	STB 21.6/45 GN	1936250000	1
12	STB 21.6/45 VI	1936260000	1
13	STB 14/D6/4/M3 SAK10	0169900000	7
14	QVS 2 SAKT1+2	0307300000	3
15	WQV 6/6	1062670000	1
16	GWHUE M3 WTL6	1255010000	3
17	PAP PTL/PSI 6/10	1165320000	1



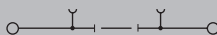


PTL 6/10

6 mm<sup>2</sup>

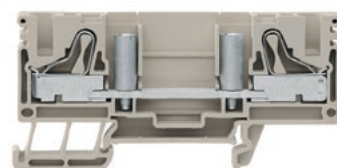


8.1 x 82 x 39.6  
/ 10  
1.5...10



PTD 6/10

6 mm<sup>2</sup>



8.1 x 82 x 39.6  
/ 10  
1.5...10



Width/Height/Depth mm  
max. current / max. cond. cross-section -/mm<sup>2</sup>  
Max. clamping range mm<sup>2</sup>

Technical data

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	dark beige
Note	

Accessories

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
	black
End bracket	
	dark beige
Threaded bushing	
	Standard
Testing / Checking	
	Socket - blue
	Socket - yellow
	Socket - green
	Socket - magenta
	Socket
	Socket - blue
	Socket - yellow
	Socket - green
	Socket - magenta
	Socket
Screwdriver	
	Standard
Miscellaneous accessories	
	Short-circuit plug, 2-pole
Identification systems	

For detailed information on other accessories and application in the online catalogue

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
57	45		
6			
8 kV / 3			
A5 / V-0			



Rated connection	
	1.5...6
	1.5...10 / 1.5...10
	14 / 0.6 x 3.5 mm

Type	Qty.	Order No.
PTL 6/10/STB	50	1084780000

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000

PAP PTL/PSI 6/10	20	1165320000
PAP PTL/PSI 6/10 SW	20	1165330000

ZEW 35	20	9540000000
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GWHUE M3 WTL6	50	1255010000
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STB 21.6/45 BL	50	1936290000
STB 21.6/45 GE	50	1936240000
STB 21.6/45 GN	50	1936250000
STB 21.6/45 VI	50	1936260000
STB 14/D6/4/M3 SAK10	500	2012420000
STB 36.8/IH/BL WTL6/1	50	1847790000
STB 36.8/IH/GE WTL6/1	50	1847760000
STB 36.8/IH/GN WTL6/1	50	1847770000
STB 36.8/IH/VI WTL6/1	50	1847780000
STB 36.8/IH/DB WTL6/1	50	1847740000

SDS 0.5X3.0X80	1	9008320000
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QS 2/8/4	44 A	20	0270960000
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DEK 5/8 MC NE WS	800	1856740000
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IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	600		
57	45		
6			
8 kV / 3			
A5 / V-0			



Rated connection	
	1.5...6
	1.5...10 / 1.5...10
	14 / 0.6 x 3.5 mm

Type	Qty.	Order No.
PTD 6/10/STB	50	1084790000

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000

PAP PTL/PSI 6/10	20	1165320000
PAP PTL/PSI 6/10 SW	20	1165330000

ZEW 35	20	9540000000
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GWHUE M3 WTL6	50	1255010000
---------------	----	------------

STB 21.6/45 BL	50	1936290000
STB 21.6/45 GE	50	1936240000
STB 21.6/45 GN	50	1936250000
STB 21.6/45 VI	50	1936260000
STB 14/D6/4/M3 SAK10	500	2012420000
STB 36.8/IH/BL WTL6/1	50	1847790000
STB 36.8/IH/GE WTL6/1	50	1847760000
STB 36.8/IH/GN WTL6/1	50	1847770000
STB 36.8/IH/VI WTL6/1	50	1847780000
STB 36.8/IH/DB WTL6/1	50	1847740000

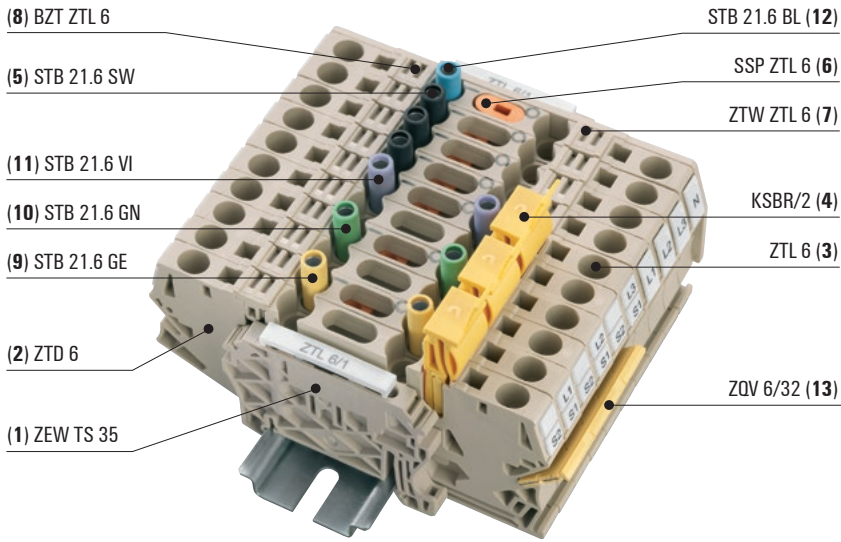
SDS 0.5X3.0X80	1	9008320000
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QS 2/8/4	44 A	20	0270960000
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DEK 5/8 MC NE WS	800	1856740000
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**Instrument transformer wiring**  
**Tension clamp connection**

**Test-disconnect terminal blocks for measuring with ZTL 6**



Pos.	Type	Qty.	Order No.
1	ZEW TS 35 (nur TS 35)	20	954000000
1	EWK1 (nur TS 32)	50	0206160000
2	ZTD 6	20	1771810000
3	ZTL 6	20	1771800000
4	KSBR/2	50	1771820000
5	STB 21.6 SW	50	1071040000
6	SSP ZTL 6	100	1771860000
7	ZTW ZTL 6	20	1771870000
8	BZT ZTL 6	20	1781140000
Optionally available for better labelling (instead of 11 x Pos. 5):			
Pos.	Type	Qty.	Order No.
9	STB 21.6 GE	50	1071010000
10	STB 21.6 GN	50	1071020000
11	STB 21.6 VI	50	1071030000
12	STB 21.6 BL	50	1071080000
13	ZQV 6/32 GE	10	1733640000
Optionally available for a shared k-point:			

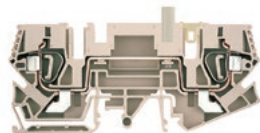




ZTD 6

6 mm<sup>2</sup>

Feed-through terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8 x 106 x 46.5
<b>52 / 10</b>
<b>0.5...10</b>

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
800	300	300	
41	33	33	
6	AWG 20...8	AWG 20...8	
8 kV / 3			
A5 / V-0			

CE CB ENE RA

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

13 / 0.8 x 4.0 mm

400V when used as a disconnect terminal. Tightening torque for ZTD 6 disconnect element with screw = 0.5 - 0.6 Nm

Ordering data

Version	without socket
	with socket
Note	

Type	Qty.	Order No.
ZTD 6	20	1771810000
ZTD 6/STB	20	1771960000

Accessories

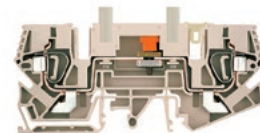
Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
End plate / Partition plate	
	End plate
Testing / Checking	
	Test plug
	Socket - yellow
	Socket - green
	Socket - magenta
	Socket - blue
Miscellaneous accessories	
	Lockout device
	Short-circuit plug, 2-pole
	Short-circuit plug, 3-pole
	Short-circuit plug, 4-pole
Marker holder	
Identification systems	

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZTW ZTL6		20	1771870000
PS 4 F.STB 4		20	0299600000
STB 21.6/IH/GE WTL6/3		50	1071010000
STB 21.6/IH/GN WTL6/3		50	1071020000
STB 21.6/IH/VI WTL6/3		50	1071030000
STB 21.6/IH/BL WTL6/3		50	1071080000
KSBR/2 ZTL6	41 A	20	1771820000
KSBR/3 ZTL6	41 A	20	1771830000
KSBR/4 ZTL6	41 A	20	1771840000
BZT ZTL6		20	1781140000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

ZTL 6

6 mm<sup>2</sup>

Disconnect test terminal



8 x 106 x 46.5
<b>52 / 10</b>
<b>0.5...10</b>

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	300	300	
41	33	33	
6	AWG 20...8	AWG 20...8	
8 kV / 3			
A5 / V-0			

CE CB ENE RA

Rated connection	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

13 / 0.8 x 4.0 mm

400V when used as a disconnect terminal. Tightening torque for ZTL 6 disconnect element with screw = 0.5 - 0.6 Nm

Type	Qty.	Order No.
ZTL 6	20	1771800000
ZTL 6/STB	20	1771950000

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZTW ZTL6		20	1771870000
PS 4 F.STB 4		20	0299600000
STB 21.6/IH/GE WTL6/3		50	1071010000
STB 21.6/IH/GN WTL6/3		50	1071020000
STB 21.6/IH/VI WTL6/3		50	1071030000
STB 21.6/IH/BL WTL6/3		50	1071080000
SSP ZTL6		100	1771860000
KSBR/2 ZTL6	41 A	20	1771820000
KSBR/3 ZTL6	41 A	20	1771830000
KSBR/4 ZTL6	41 A	20	1771840000
BZT ZTL6		20	1781140000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

Pluggable marker holder for additional marking tags above the cross-connector channel (BZT ZTL 6).

Pluggable marker holder for additional marking tags above the cross-connector channel (BZT ZTL 6).

## Instrument transformer wiring

### Screw connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

#### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-

#### Note

#### Ordering data

Version	
	without socket
	with socket
Note	

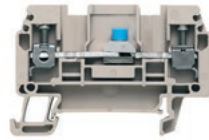
#### Accessories

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Cross-connection slider	
	2-pole
	Mounting screw for QVS
Testing / Checking	
	Test plug
	Socket
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

### WTL 4

4 mm<sup>2</sup>



6.1 x 61.3 x 39.9
<b>41 / 6</b>
<b>0.13...6</b>

IEC	UL	CSA	EN 60079-7
500	300	300	
32	28	28	
4	AWG 26...10	AWG 26...10	
6 kV / 3			
A3 / V-0			
Rated connection			
0.5...6 / 1.5...4			
0.5...4 / 0.5...4			
0.4...0.7 Nm / (M 2.5)			
0.5...0.7 Nm			
10 / 0.6 x 3.5 mm			
Use as a disconnect terminal with 500 V.			

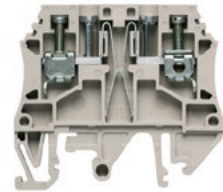
Type	Qty.	Order No.
WTL 4	50	<b>1754960000</b>
WTL 4/STB	50	<b>1754970000</b>

Type	current	Qty.	Order No.
WQV 4/2	32 A	50	<b>1051960000</b>
WQV 4/3	32 A	50	<b>1054560000</b>
WQV 4/4	32 A	50	<b>1054660000</b>
WQV 4/10	41 A	20	<b>1052060000</b>
ZAP/TW 1		50	<b>1608740000</b>
WEW 35/2		100	<b>1061200000</b>
QVS 2/4 SAKT4	32 A	20	<b>1319260000</b>
BFSC M3X22 SAKT4		50	<b>1319900000</b>
PS 2.3 RT		20	<b>0180400000</b>
STB 8.5/5/2.3/M3 SAK2.5		50	<b>0280600000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

### WTL 4/2

4 mm<sup>2</sup>

Enforced short-circuit function



6 x 56.5 x 48.5
<b>11 / 6</b>
<b>0.13...6</b>

IEC	UL	CSA	EN 60079-7
500	300	150	
10	8	8	
4	AWG 26...10	AWG 26...10	
6 kV / 3			
A4 / V-0			
Rated connection			
0.5...6 / 1.5...6			
0.5...6 / 0.5...4			
0.5...0.8 Nm / (M 3)			
10 / 0.6 x 3.5 mm			
2 wires can be connected; similar to the WDU 4N.			

Type	Qty.	Order No.
WTL 4/2 STB	50	<b>1881650000</b>

Type	current	Qty.	Order No.
WAP WTL4/2		50	<b>1881640000</b>
WEW 35/2		100	<b>1061200000</b>
WTA 8 TN		25	<b>1915450000</b>
WS 12/6 MC NE WS		600	<b>1609900000</b>

WTA 8-series test adapter, WQV external cross-connector, end bracket and shield bus LS 2.8, refer to "Accessories".

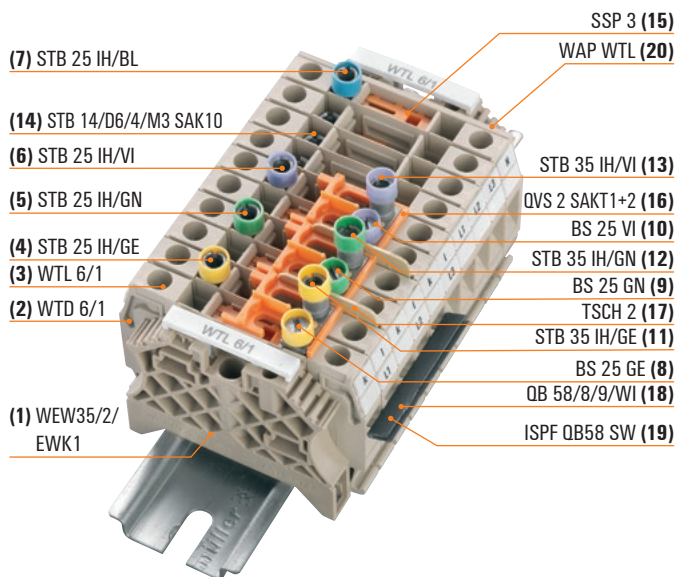


## Instrument transformer wiring

### Screw connection

#### Test-disconnect terminal blocks

#### WTL 6/1, WTD 6/1, WTQ 6/1



STB 35 IH/SW



(21) VH 19



WAP WTL

#### Ordering data

Pos.	Type	Order No.	Qty.
1	WEW35/2/EWK1	1061200000	2
2	WTD 6/1	1017100000	3
3	WTL 6/1	1016700000	7
4	STB 25 IH/GE	0267200000	1
5	STB 25 IH/GN	0271200000	1
6	STB 25 IH/VI	0271300000	1
7	STB 25 IH/BL	0343400000	1
8	BS 25 GE	0335700000	1
9	BS 25 GN	0335600000	1
10	BS 25 VI	0335800000	1
11	STB 35 IH/GE	0389000000	2
12	STB 35 IH/GN	0388900000	2
13	STB 35 IH/VI	0389100000	2
14	STB 14/D6/4/M3 SAK10	0169900000	2
15	SSP 3	0531760000	7
16	QVS 2 SAKT1+2	0307300000	1
17	TSCH 2	0353660000	1
18	QB 58/8/9/WI	0545300000	1
19	ISPF QB58 SW	0546000000	1
20	WAP WTL	1068300000	1
21	VH 19	0318000000	9

Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
18	QB 58*angled	0545300000	0545300000	1
19	ISPFQB58SW*	0546000000	0546000000	1

\* Shorten to 5 poles



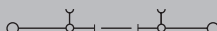
**WTL 6/1**

**6 mm<sup>2</sup>**

Longitudinal - disconnecter



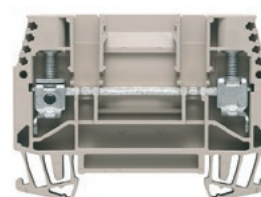
7.9 x 65 x 47.5  
**57 / 10**  
**0.5...10**



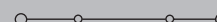
**WTD 6/1**

**6 mm<sup>2</sup>**

Feed-through



7.9 x 65 x 47.5  
**57 / 10**  
**0.5...10**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	without socket
	with socket
Note	

**Accessories**

Screwable cross-connection	
2-pole	
3-pole	
4-pole	
10-pole	
Connecting sleeve	
Mounting screw	
End plate / Partition plate	
dark beige	
dark beige	
Cross-connection slider	
2-pole	
3-pole	
Connecting sleeve for QVS	
4-pole	
Testing / Checking	
Socket - blue	
Socket - green	
Socket - yellow	
Socket - magenta	
Test plug	
Identification systems	
DEK 5/8 MC NE WS	
WS 12/6.5 MC NE WS	
Miscellaneous accessories	
Lockout device	

For detailed information on other accessories and application in the online catalogue

IEC	UL	CSA	EN 60079-7
630	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			
CE			
Rated connection			
0.5...10 / 1.5...10			
0.5...10 / 0.5...6			
1...1.6 Nm / (M 3.5)			
0.5...0.7 Nm			
12 / 0.8 x 4.0 mm			
Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

Type	Qty.	Order No.
WTL 6/1	50	1016700000
WTL 6/1/STB	50	1016900000
TS32 version on request		

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WAP WTL6/1		20	1068300000
WTW WTL6/1 DB		20	1068400000
QVS 2 SAKT1+2	41 A	20	0307300000
QVS 3 SAKT1+2	41 A	20	0329300000
VH 19/6/4.2 SAKT1		50	0318000000
STB 35 IH/BL		50	0388700000
STB 35 IH/GN		50	0388900000
STB 35 IH/GE		50	0389000000
STB 35 IH/VI		50	0389100000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

IEC	UL	CSA	EN 60079-7
630	300	300	
41	45	50	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			
CE			
Rated connection			
0.5...10 / 1.5...10			
0.5...10 / 0.5...6			
1...1.6 Nm / (M 3.5)			
12 / 0.8 x 4.0 mm			
Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

Type	Qty.	Order No.
WTD 6/1	50	1017100000
TS32 version on request		

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WAP WTL6/1		20	1068300000
WTW WTL6/1 DB		20	1068400000
QVS 2 SAKT1+2	41 A	20	0307300000
QVS 3 SAKT1+2	41 A	20	0329300000
VH 19/6/4.2 SAKT1		50	0318000000
STB 35 IH/BL		50	0388700000
STB 35 IH/GN		50	0388900000
STB 35 IH/GE		50	0389000000
STB 35 IH/VI		50	0389100000
DEK 5/8 MC NE WS		800	1856740000
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

## Instrument transformer wiring

### Screw connection

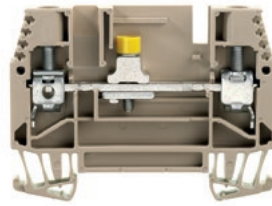


Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

WTQ 6/1

6 mm<sup>2</sup>

Cross-connect/disconnect (isolator)



7.9 x 65 x 47.5  
**57 / 10**  
**0.5...10**

#### Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-

#### Note

#### Ordering data

<b>Version</b>	without socket
	with socket
<b>Note</b>	

#### Accessories

<b>Screwable cross-connection</b>	
	2-pole
	3-pole
	4-pole
	10-pole
	Connecting sleeve
	Mounting screw
<b>End plate / Partition plate</b>	
	dark beige
	dark beige
<b>Cross-connection slider</b>	
	2-pole
	3-pole
	Connecting sleeve for QVS
	4-pole
<b>Testing / Checking</b>	
	Socket - blue
	Socket - green
	Socket - yellow
	Socket - magenta
	Test plug
<b>Identification systems</b>	
<b>Miscellaneous accessories</b>	
	Lockout device

<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
500	300	300	
41	45	50	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			

CE

<b>Rated connection</b>	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
1...1.6 Nm / (M 3.5)	
12 / 0.8 x 4.0 mm	

Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WTQ 6/1	50	1017900000
WTQ 6/1/STB	50	1018100000
TS32 version on request		

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
VH 12/4.9/3.3 SAK6N		100	0249000000
KISC M3X20 SAK10 CU5		100	0377100000
<b>WAP WTL6/1</b>			
		20	1068300000
<b>WTW WTL6/1 DB</b>			
		20	1068400000
<b>QVS 2 SAKT1+2</b>			
	41 A	20	0307300000
<b>QVS 3 SAKT1+2</b>			
	41 A	20	0329300000
<b>VH 19/6/4.2 SAKT1</b>			
		50	0318000000
<b>WKB 1/4</b>			
		50	1604320000
<b>STB 35 IH/BL</b>			
		50	0388700000
<b>STB 35 IH/GN</b>			
		50	0388900000
<b>STB 35 IH/GE</b>			
		50	0389000000
<b>STB 35 IH/VI</b>			
		50	0389100000
<b>PS 4 F.STB 4</b>			
		20	0299600000
<b>DEK 5/8 MC NE WS</b>			
		800	1856740000
<b>WS 12/6.5 MC NE WS</b>			
		540	1609920000
<b>SSP 3 SAKT1</b>			
		100	0531760000

For detailed information on other accessories and application in the online catalogue

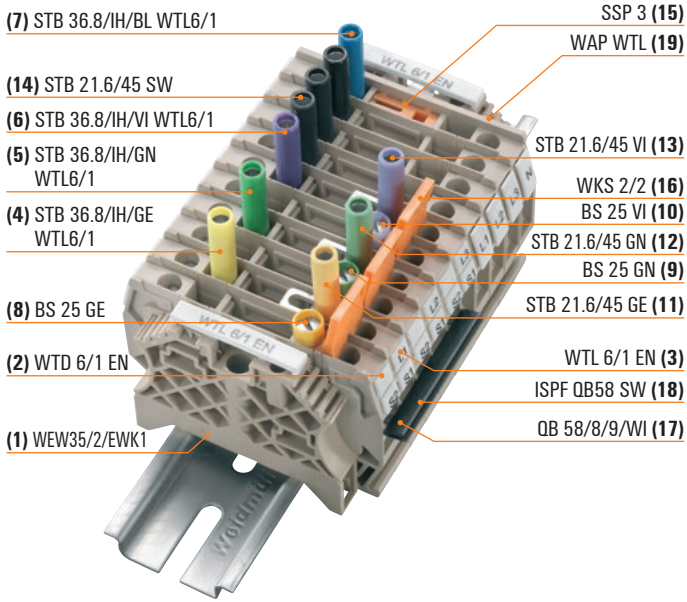




**Instrument transformer wiring**  
**Screw connection**

**Test-disconnect terminal blocks**

**WTL 6/1 EN, WTD 6/1 EN, WTQ 6/1 EN**



**B**



**Ordering data**

Pos.	Type	Order No.	Order No.	Qty.
1	WEW35/2/EWK1	1061200000	0206160000	2
2	WTD 6/1 EN	1934830000	1934830000	3
3	WTL 6/1 EN	1934810000	1934810000	7
4	STB 36.8/IH/GE WTL6/1	1847760000	1847760000	1
5	STB 36.8/IH/GN WTL6/1	1847770000	1847770000	1
6	STB 36.8/IH/VI WTL6/1	1847780000	1847780000	1
7	STB 36.8/IH/BL WTL6/1	1847790000	1847790000	1
8	BS 25 GE	0335700000	0335700000	1
9	BS 25 GN	0335600000	0335600000	1
10	BS 25 VI	0335800000	0335800000	1
11	STB 21.6/45 GE	1936240000	1936240000	2
12	STB 21.6/45 GN	1936250000	1936250000	2
13	STB 21.6/45 VI	1936260000	1936260000	2
14	STB 21.6/45 SW	1936270000	1936270000	2
15	SSP 3	0531760000	0531760000	7
16	WKS 2/2	1936140000	1936140000	3
17	QB 58/8/9/WI	0545300000	0545300000	1
18	ISPF QB58 SW	0546000000	0546000000	1
19	WAP WTL	1957710000	1957710000	1
20	VH 16	0309700000	0309700000	9

Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
17	QB 58*angled	0545300000	0545300000	1
18	ISPFQB58SW*	0546000000	0546000000	1

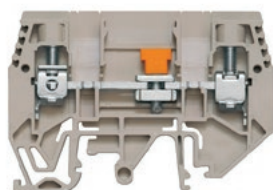
\* Shorten to 5 poles



**WTL 6/1 EN**

**6 mm<sup>2</sup>**

Longitudinal - disconnecter



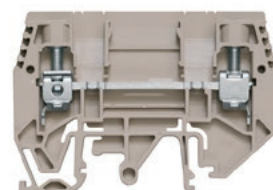
7.9 x 68.5 x 47.5  
**57 / 10**  
**0.5...10**



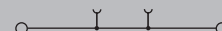
**WTD 6/1 EN**

**6 mm<sup>2</sup>**

Feed-through



7.9 x 65 x 47.5  
**57 / 10**  
**0.5...10**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	without socket
	with socket
<b>Note</b>	

**Accessories**

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
	dark beige
End bracket	
	dark beige
Cross-connection slider	
	2-pole
	3-pole
	4-pole
	Connecting sleeve for QVS
Testing / Checking	
	Socket - blue
	Socket - yellow
	Socket - green
	Socket
	Socket - blue
	Socket - yellow
	Socket - green
Miscellaneous accessories	
	Lockout device
Identification systems	

For detailed information on other accessories and application in the online catalogue

IEC	UL	CSA	EN 60079-7
630	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			
CE			
Rated connection			
0.5...10 / 1.5...10			
0.5...10 / 0.5...6			
1...1.6 Nm / (M 3.5)			
0.5...0.7 Nm			
12 / 0.8 x 4.0 mm			
Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

Type	Qty.	Order No.
WTL 6/1 EN	50	1934810000
WTL 6/1 EN STB	50	1934820000
TS 32 variants upon request		

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WAP WTL6/1 EN 20 1957710000			
WTW WTL6/1 DB 20 1068400000			
WEW 35/2 100 1061200000			
WKS 2/2 50 1936140000			
WKS 2/3 50 1936150000			
WKS 2/4 50 1936160000			
VH 16/5/3.5 SAK10-35 50 0309700000			
STB 21.6/45 BL 50 1936290000			
STB 21.6/45 GE 50 1936240000			
STB 21.6/45 GN 50 1936250000			
STB 14/D6/4/M3 SAK10 500 2012420000			
STB 36.8/IH/BL WTL6/1 50 1847790000			
STB 36.8/IH/GE WTL6/1 50 1847760000			
STB 36.8/IH/GN WTL6/1 50 1847770000			
DEK 5/8 MC NE WS 800 1856740000			
WS 12/8 PLUS MC NE WS 420 1906000000			

IEC	UL	CSA	EN 60079-7
630	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			
CE			
Rated connection			
0.5...10 / 1.5...10			
0.5...10 / 0.5...6			
0.8...1.6 Nm / (M 3.5)			
12 / 0.8 x 4.0 mm			
Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

Type	Qty.	Order No.
WTD 6/1 EN	50	1934830000
TS 32 version on request		

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WAP WTL6/1 EN 20 1957710000			
WTW WTL6/1 DB 20 1068400000			
WEW 35/2 100 1061200000			
WKS 2/2 50 1936140000			
WKS 2/3 50 1936150000			
WKS 2/4 50 1936160000			
VH 16/5/3.5 SAK10-35 50 0309700000			
STB 21.6/45 BL 50 1936290000			
STB 21.6/45 GE 50 1936240000			
STB 21.6/45 GN 50 1936250000			
STB 14/D6/4/M3 SAK10 500 2012420000			
STB 36.8/IH/BL WTL6/1 50 1847790000			
STB 36.8/IH/GE WTL6/1 50 1847760000			
STB 36.8/IH/GN WTL6/1 50 1847770000			
DEK 5/8 MC NE WS 800 1856740000			
WS 12/8 PLUS MC NE WS 420 1906000000			

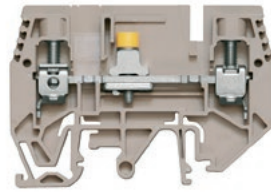
**Instrument transformer wiring**  
**Screw connection**



**WTQ 6/1 EN**

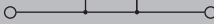
**6 mm<sup>2</sup>**

**Cross-connect/disconnect (isolator)**




Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

7.9 x 65 x 47.5
<b>57 / 10</b>
<b>0.5...10</b>



**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
500	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			
			
Rated connection			
0.5...10 / 1.5...10			
0.5...10 / 0.5...6			
/ (M 3.5)			
12 / 0.8 x 4.0 mm			
Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.			

**Ordering data**

Version	
	without socket
	with socket
Note	

Type	Qty.	Order No.
WTQ 6/1 EN	50	<b>1934790000</b>
WTQ 6/1 EN STB	50	<b>1934800000</b>
TS 32 version on request		

**Accessories**

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
	dark beige
End bracket	
	dark beige
Cross-connection slider	
	2-pole
	3-pole
	4-pole
	Connecting sleeve for QVS
Testing / Checking	
	Socket - blue
	Socket - yellow
	Socket - green
	Socket
	Socket - blue
	Socket - yellow
	Socket - green
Miscellaneous accessories	
	Lockout device
Identification systems	

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	<b>1052360000</b>
WQV 6/3	57 A	50	<b>1054760000</b>
WQV 6/4	57 A	50	<b>1054860000</b>
WQV 6/10	57 A	20	<b>1052260000</b>
WAP WTL6/1 EN		20	<b>1957710000</b>
WTW WTL6/1 DB		20	<b>1068400000</b>
WEW 35/2		100	<b>1061200000</b>
WKS 2/2		50	<b>1936140000</b>
WKS 2/3		50	<b>1936150000</b>
WKS 2/4		50	<b>1936160000</b>
VH 16/5/3.5 SAK10-35		50	<b>0309700000</b>
STB 21.6/45 BL		50	<b>1936290000</b>
STB 21.6/45 GE		50	<b>1936240000</b>
STB 21.6/45 GN		50	<b>1936250000</b>
STB 14/D6/4/M3 SAK10		500	<b>2012420000</b>
STB 36.8/IH/BL WTL6/1		50	<b>1847790000</b>
STB 36.8/IH/GE WTL6/1		50	<b>1847760000</b>
STB 36.8/IH/GN WTL6/1		50	<b>1847770000</b>
DEK 5/8 MC NE WS		800	<b>1856740000</b>
WS 12/8 PLUS MC NE WS		420	<b>1906000000</b>

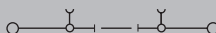
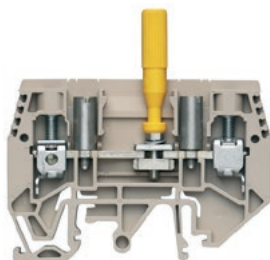
For detailed information on other accessories and application in the online catalogue



WTL 6/1/STB/TNSC/EN

6 mm<sup>2</sup>

Longitudinal separator



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

7.9 x 65 x 66
57 / 10
0.5...10

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-

IEC	UL	CSA	EN 60079-7
630			
41			
6			
	6 kV / 3		
	A5 / V-0		
EH			
Rated connection			
0.5...10 / 1.5...			
0.5...10 / 0.5...6			
1...1.6 Nm / (M 3.5)			
0.5...0.6 Nm			
12 / 0.8 x 4.0 mm			

**Note**

Use as 500 V disconnect terminal. Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

Ordering data

Version	without socket
	with socket
Note	

Type	Qty.	Order No.
WTL 6/1/TNSC/EN	50	1345280000
WTL 6/1/STB/TNSC/EN	50	1938820000
TS 32 variants upon request		

Accessories

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
	dark beige
End bracket	
	dark beige
Cross-connection slider	
	2-pole
	3-pole
	4-pole
	Connecting sleeve for QVS
Testing / Checking	
	Socket - blue
	Socket - yellow
	Socket - green
	Socket
Miscellaneous accessories	
	Lockout device
Identification systems	

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WAP WTL6/1 EN		20	1957710000
WTW WTL6/1 DB		20	1068400000
WEW 35/2		100	1061200000
WKS 2/2		50	1936140000
WKS 2/3		50	1936150000
WKS 2/4		50	1936160000
VH 16/5/3.5 SAK10-35		50	0309700000
STB 21.6/45 BL		50	1936290000
STB 21.6/45 GE		50	1936240000
STB 21.6/45 GN		50	1936250000
STB 14/D6/4/M3 SAK10		500	2012420000
DEK 5/8 MC NE WS		800	1856740000
WS 12/8 PLUS MC NE WS		420	1906000000

For detailed information on other accessories and application in the online catalogue

**Instrument transformer wiring**  
**Screw connection – accessories**

**Accessories for test-disconnect terminals WTL 6/1**

**Technical data**

Rated voltage for neighbouring	rated voltage
QVS	63 V
WQV	bis 400 V
QL	250 V

for neighbouring	rated voltage
STB 25	63 V
STB 30.5	63 V
STB 35	63 V

**SSP WTL, SSP 3** and **SSP 4** prevent unwanted opening or closing of current circuits. They block the disconnecting slider in its particular position. The lockout device is easily pressed into the terminal, but can only be removed again with a tool.

Type	Qty.	Order No.
SSP 3	100	<b>0531760000</b>
SSP WTL	100	<b>1604200000</b>

**QVS 1**

**Cross-connection slider**



QVS    QVS    QVSK 2    QVS 2S

Type	No. of poles	Qty.	Order No.
QVS 2	2	20	<b>0307300000</b>
QVSK 2	2	20	<b>1670360000</b>
QVS 3	3	20	<b>0329300000</b>
QVS 4	4	20	<b>0307400000</b>
QVS 2S	2	20	<b>0358460000</b>

**Note:**  
Not suitable for WTL 6/1 EN.  
QVS 2 placed opposite each other cannot be switched.

**STB**

**Cross-connection slider**



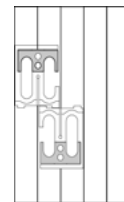
Type	Colour	Qty.	Order No.
<b>STB 14</b>		50	<b>0169900000</b>
<b>STB 30,5</b>			
STB 30.5	black	50	<b>0341000000</b>
STB 30.5	grey	50	<b>0341100000</b>
STB 30.5	blue	50	<b>0341200000</b>
STB 30.5	red	50	<b>0341300000</b>
STB 30.5	green	50	<b>0341400000</b>
STB 30.5	yellow	50	<b>0341500000</b>
STB 30.5	violet	50	<b>0341600000</b>
<b>STB 35</b>			
STB 35	yellow	50	<b>0389000000</b>
STB 35	green	50	<b>0388900000</b>
STB 35	violet	50	<b>0389100000</b>
STB 35	black	50	<b>0388500000</b>
STB 35	grey	50	<b>0388600000</b>
STB 35	blue	50	<b>0388700000</b>
STB 35	red	50	<b>0388800000</b>
<b>Connecting sleeves</b>			
VH19		50	<b>0318000000</b>

**B**

To retain the rated voltage, partition plates **TW** or partition discs **TSch** have to be used, except with **WQV**.

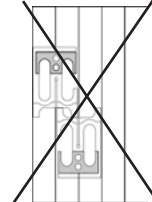


**QVSK 2**  
(167036)



WTL6/1, WTD6/1

**QVS 2**  
(030730)



WTL6/1, WTD6/1

Accessories for test-disconnect terminals WTL 6/1 EN

BS / VH



Type	Colour	Qty.	Order No.
<b>Fixing screws</b>			
BS 25	yellow	50	0335700000
BS 25	green	50	0335600000
BS 25	violet	50	0335800000
BS 25	grey	50	0335300000
BS 25	black	50	0335200000
BS 25	blue	50	0335400000
BS 25	red	50	0335500000
BS 25	blank	50	0334700000
<b>STB 25</b>			
STB 21.6/45 BL	blue	50	1936290000
STB 21.6/45 DB	d.blue	50	1938790000
STB 21.6/45 GE	yellow	50	1936240000
STB 21.6/45 GN	green	50	1936250000
STB 21.6/45 GR	grey	50	1936280000
STB 21.6/45 RT	red	50	1936300000
STB 21.6/45 SW	black	50	1936270000
STB 21.6/45 VI	violet	50	1936260000
<b>Connecting sleeves</b>			
VH 16/5/3.5 SAK10-35		50	0309700000
CuZn 39 (brass alloy)			
<b>STB 36.8</b>			
STB 36.8/IH/DB WTL6/1		50	1847740000
STB 36.8/IH/GE WTL6/1		50	1847760000
STB 36.8/IH/GN WTL6/1		50	1847770000
STB 36.8/IH/VI WTL6/1		50	1847780000
STB 36.8/IH/BL WTL6/1		50	1847790000

WQV / QL



WQV (only for WTL 6/2, WTL 6/3)

Type	No. of poles	Qty.	Order No.
<b>WQV</b>			
WQV 6/2	2	50	1052360000
WQV 6/3	3	50	1054760000
WQV 6/4	4	50	1054860000
WQV 6/5	5	50	1062660000
WQV 6/7	7	50	1062680000
WQV 6/10	10	20	1052260000
<b>QL</b>			
QL 2	2	50	0194300000
QL 3	3	50	0194400000
QL 4	4	50	0194500000
QL 10	10	20	0338300000
QL 15	15	10	0221200000
<b>Connecting sleeves</b>			
VH 12		100	0249000000
E-Cu 57 (copper alloy)			

WKS / WKB

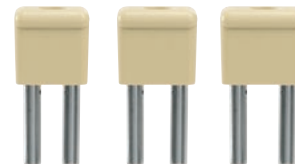


WKS

WKB

Type	No. of poles	Qty.	Order No.
<b>WQV</b>			
WKB 1/2	2	50	1604280000
WKB 1/3	3	50	1604300000
WKB 1/4	4	50	1604320000
WKB 1/10	10	20	1604330000
<b>WKS</b>			
WKS 1/2	2	50	1604270000
WKS 1/3	3	50	1604290000
WKS 1/4	4	50	1604310000
WKS 2/2	2	50	1936150000
WKS 2/3	3	50	1936140000

QS 2



Type	No. of poles	Qty.	Order No.
<b>WQV</b>			
QS 2	2	20	0270960000
x = 8 mm, y = 16 mm			
QS 2	2	20	0270860000
x = 10 mm, y = 20 mm			
QS 2	2	20	0270760000
x = 12 mm, y = 20 mm			



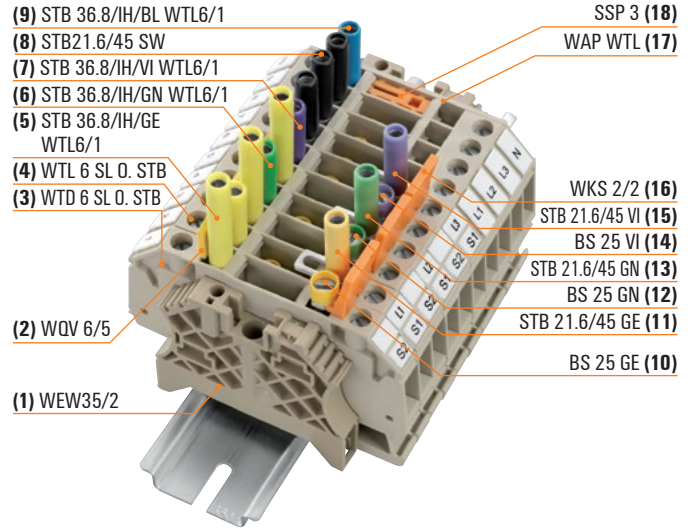
# Testing made easy

## WTL 6 SL / WTD 6 SL

Current transformers may only be short-circuited or operated with a negligible load impedance because open current transformers "run hot" and destroy themselves. Apart from that, load impedances lead to measuring inaccuracies in electricity supply meters and hence to financial losses for their operators.

Many switching tasks can be done using the WTL 6 SL test/disconnect terminals and the WTD 6 SL feed-through terminals.

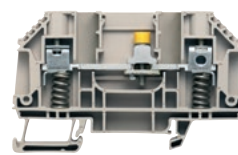
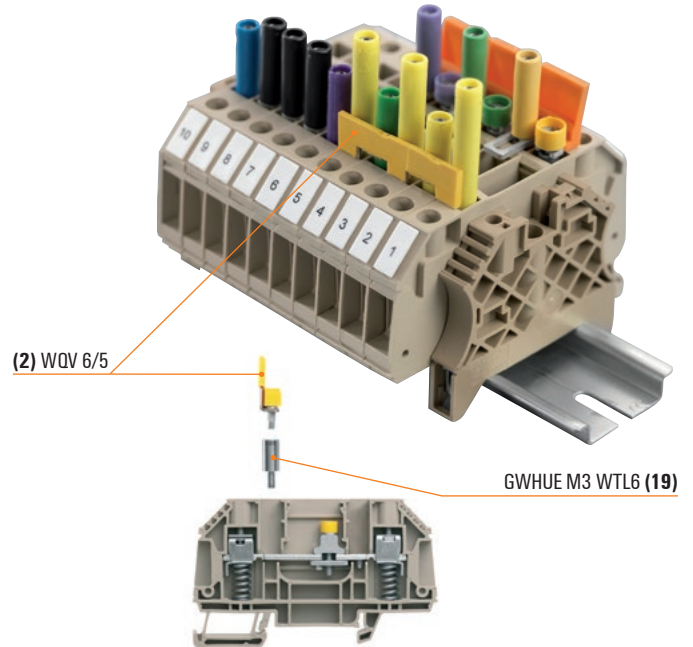
The screws for connecting the conductors are only accessible after the current transformer has been short-circuited with the help of the short-circuit slider. This guarantees that the measuring instrument is not accidentally disconnected.



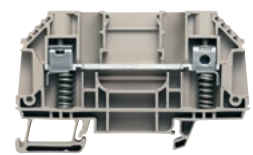
### Example transformer using WTL 6 SL / WTD 6 SL

#### Ordering data

Pos.	Type	Order No.	Qty.
1	WEW35/2	1061200000	2
2	WQV 6/5	1062660000	1
3	WTD 6 SL O. STB	1238920000	3
4	WTL 6 SL O. STB	1238930000	7
5	STB 36.8/IH/GE WTL6/1	1847760000	4
6	STB 36.8/IH/GN WTL6/1	1847770000	1
7	STB 36.8/IH/VI WTL6/1	1847780000	1
8	STB21.6/45 SW	1936270000	3
9	STB 36.8/IH/BL WTL6/1	1847790000	1
10	BS 25 GE	0335700000	1
11	STB 21.6/45 GE	1936240000	1
12	BS 25 GN	0335600000	1
13	STB 21.6/45 GN	1936250000	1
14	BS 25 VI	0335800000	1
15	STB 21.6/45 VI	1936260000	1
16	WKS 2/2	1936150000	3
17	WAP WTL	9538110000	1
18	SSP 3	0531760000	1
19	GWHUE M3 WTL6	1255010000	3
20	VH 19	0318000000	6



WTL 6 SL o. StB



WTD 6 SL o. StB



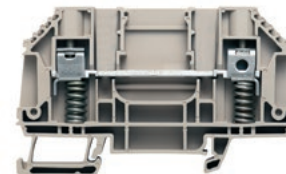
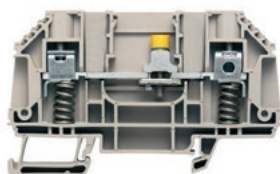


**WTL 6 SL**

**6 mm<sup>2</sup>**

**WTD 6 SL**

**6 mm<sup>2</sup>**



Feed-through

Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

7.9 x 82.7 x 50
<b>57 / 6</b>
<b>0.5...6</b>

7.9 x 82.7 x 50
<b>57 / 6</b>
<b>0.5...6</b>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
630			
41			
6			
		6 kV / 2	
		A5 / V-0	
EH			
Rated connection			
0.5...6 6			
0.5...6			
0.8...1.6 Nm / (M 3.5)			
16 / 0.8 x 4.0 mm			
Rated data ES: 500 V / 24 A.			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
630			
41			
6			
		6 kV / 2	
		A5 / V-0	
EH			
Rated connection			
0.5...6 6			
0.5...6			
0.8...1.6 Nm / (M 3.5)			
16 / 0.8 x 4.0 mm			
Rated data ES: 500 V / 24 A.			

**Ordering data**

Version	
	without socket
	with socket
Note	

Type	Qty.	Order No.
WTL 6 SL 0.STB	50	1238930000
WTL 6 SL	50	1161690000
With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

Type	Qty.	Order No.
WTD 6 SL 0.STB	50	1238920000
WTD 6 SL	50	9538090000

**Accessories**

Screwable cross-connection	
2-pole	
10-pole	
3-pole	
4-pole	
Threaded bushing	
	Standard
End plate / Partition plate	
	Black
	dark beige
	dark beige
End bracket	
	dark beige
Hak. Cable lugs	
Identification systems	

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
GWHUE M3 WTL6		50	1255010000
WAP WTL6 SL		20	9538110000
WAP WTL6 SL 4-6		20	1238880000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000
WS 12/6.5 MC NE WS		540	1609920000

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WAP WTL6 SL		20	9538110000
WAP WTL6 SL 4-6		20	1238880000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000
WS 12/6.5 MC NE WS		540	1609920000

**B**



For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue

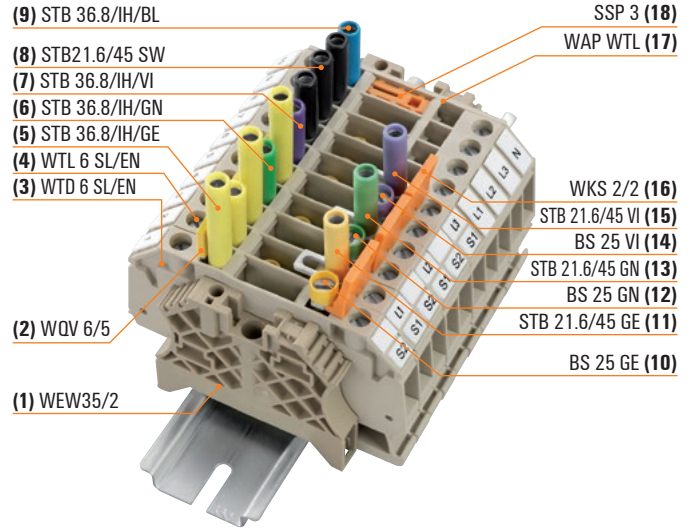
# Testing made easy WTL 6 SL EN / WTD 6 SL EN

Current transformers may only be short-circuited or operated with a negligible load impedance because open current transformers “run hot” and destroy themselves. Apart from that, load impedances lead to measuring inaccuracies in electricity supply meters and hence to financial losses for their operators.

Many switching tasks can be done using the WTL 6 SL EN test/disconnect terminals and the WTD 6 SL EN feed-through terminals.

The screws for connecting the conductors are only accessible after the current transformer has been short-circuited with the help of the short-circuit slider. This guarantees that the measuring instrument is not accidentally disconnected.

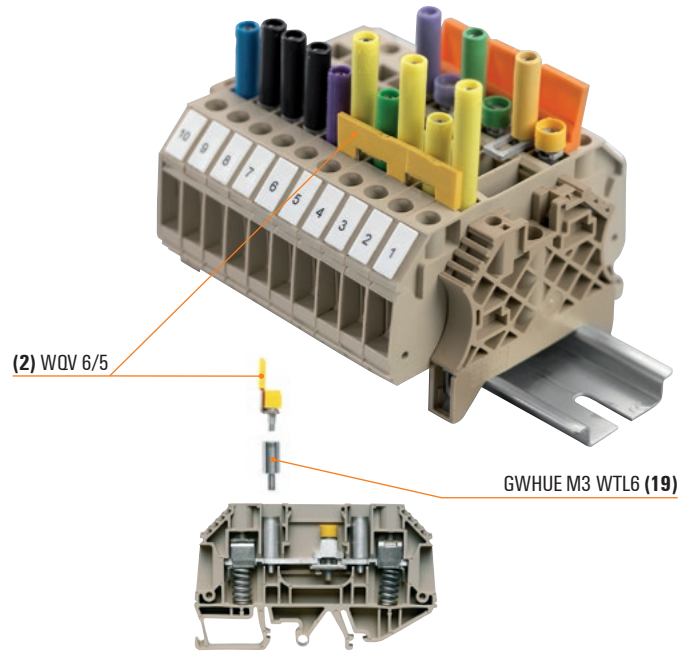
## B



### Example transformer using WTL 6 SL EN / WTD 6 SL EN

#### Ordering data

Pos.	Type	Order No.	Qty.
1	WEW35/2	1061200000	2
2	WQV 6/5	1062660000	1
3	WTD 6 SL EN	9538100000	3
4	WTL 6 SL EN	9538080000	7
5	STB 36.8/IH/GE	1847760000	4
6	STB 36.8/IH/GN	1847770000	1
7	STB 36.8/IH/VI	1847780000	1
8	STB21.6/45 SW	1936270000	3
9	STB 36.8/IH/BL	1847790000	1
10	BS 25 GE	0335700000	1
11	STB 21.6/45 GE	1936240000	1
12	BS 25 GN	0335600000	1
13	STB 21.6/45 GN	1936250000	1
14	BS 25 VI	0335800000	1
15	STB 21.6/45 VI	1936260000	1
16	WKS 2/2	1936150000	3
17	WAP WTL	9538110000	1
18	SSP 3	0531760000	1
19	GWHUE M3 WTL6	1255010000	3
20	VH 19	0318000000	6

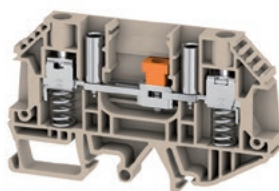




WTL 6 SL/EN

6 mm<sup>2</sup>

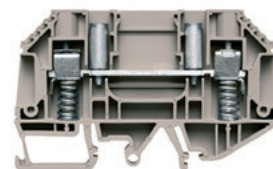
Longitudinal - disconnecter



WTD 6 SL/EN

6 mm<sup>2</sup>

Feed-through



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

7.9 x 82.7 x 49.5
57 / 6
0.5...6

7.9 x 82.7 x 49.5
57 / 6
0.5...6

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
630			
41			
6			
	6 kV / 2		
	A5 / V-0		
EH			
Rated connection			
0.5...6 6			
0.5...6			
0.8...1.6 Nm / (M 3.5)			
16 / 0.8 x 4.0 mm			
Rated data ES: 500 V / 24 A.			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
630			
41			
6			
	6 kV / 2		
	A5 / V-0		
EH			
Rated connection			
0.5...6 6			
0.5...6			
0.8...1.6 Nm / (M 3.5)			
16 / 0.8 x 4.0 mm			
Rated data ES: 500 V / 24 A.			

Ordering data

Version	
	with socket
<b>Note</b>	

Type	Qty.	Order No.
WTL 6 SL/EN	50	9538080000
With pollution severity degree 2, the voltage can be raised to 630 V (no increased contamination can appear).		

Type	Qty.	Order No.
WTD 6 SL/EN	50	9538100000

Accessories

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	Black
	dark beige
	dark beige
End bracket	
	dark beige
Hak. Cable lugs	
Identification systems	
Threaded bushing	
	Standard

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/10	57 A	20	1052260000
WAP WTL6 SL		20	9538110000
WAP WTL6 SL 4-6		20	1238880000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000
WS 12/6.5 MC NE WS		540	1609920000
GWHUE M3 WTL6		50	1255010000

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WAP WTL6 SL		20	9538110000
WAP WTL6 SL 4-6		20	1238880000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
HBT 1,5 - 4,6 RT		100	1233340000
HBT 2,5 - 4,6 BL		100	1233330000
HBT 6,0 - 4,6 GE		100	1216230000
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue

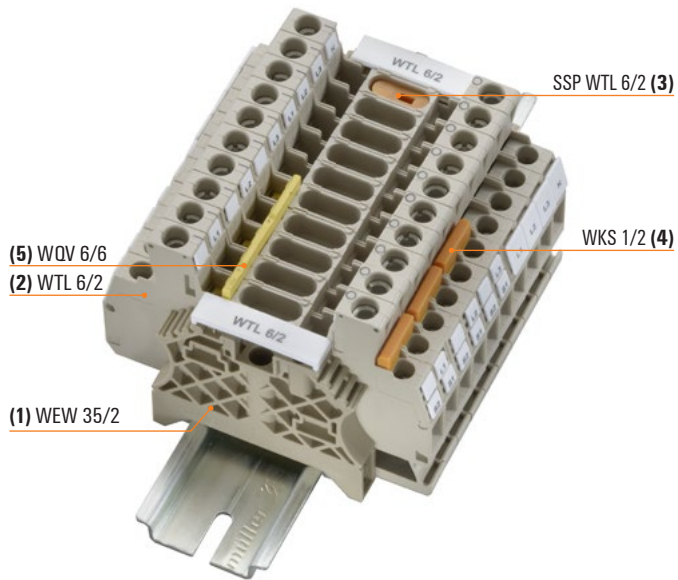


## Instrument transformer wiring

### Screw connection

#### Test-disconnect terminal blocks

#### WTL 6/2



B

#### Ordering data

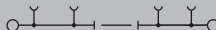
Pos.	Type	Order No.	Qty.
1	WEW 35/2	1061200000	2
2	WTL 6/2	1017700000	10
3	SSP WTL 6/2	1604200000	1
4	WKS 1/2	1604270000	3
5	WQV 6/6	1062670000	1



WTL 6/2

6 mm<sup>2</sup>

Longitudinal - disconnect



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

8 x 87 x 61  
57 / 10  
0.5...10

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

IEC	UL	CSA	EN 60079-7
500	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			

Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-

CE

Rated connection	
0.5...10 / 1.5...10	
0.5...10 / 0.5...6	
1...1.6 Nm / (M 3.5)	
0.5...0.7 Nm	
12 / 0.8 x 4.0 mm	

Note

Wire connection H07V-K10, H07V-R10 and AWG 8/7 with tightening torque of 1.4 Nm.

Ordering data

Version	with socket
Note	

Type	Qty.	Order No.
WTL 6/2	50	1017700000
TS 32 version on request		

Accessories

Screwable cross-connection	
2-pole	
3-pole	
4-pole	
10-pole	
End bracket	dark beige
Cross-connection slider	
2-pole	
3-pole	
4-pole	
Testing / Checking	Test plug
Miscellaneous accessories	Lockout device
Identification systems	

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000
WEW 35/2		100	1061200000
WKS 1/2		50	1604270000
WKS 1/3		50	1604290000
WKS 1/4		50	1604310000
PS 4 F.STB 4		20	0299600000
		current	
SSP WTL6/2		100	1604200000
DEK 5/8 MC NE WS		800	1856740000
WS 12/8 PLUS MC NE WS		420	1906000000

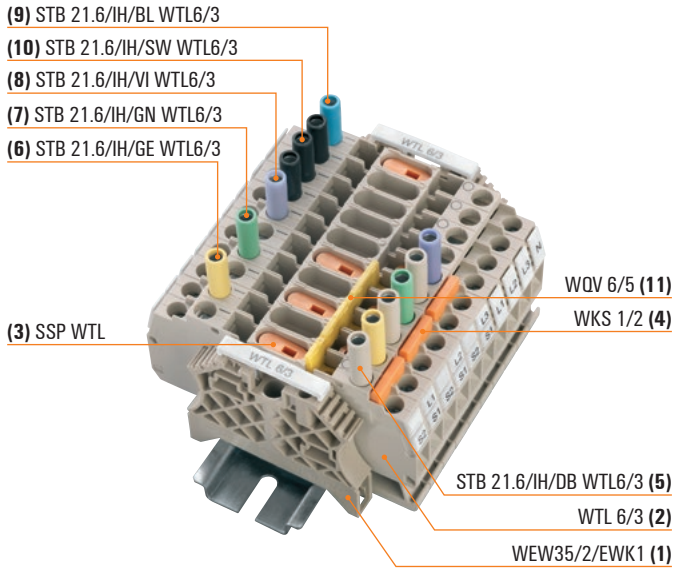
For detailed information on other accessories and application in the online catalogue

For further modular disconnect test terminal accessories, refer to chapter on Accessories.

**Instrument transformer wiring**  
**Screw connection**

**Test-disconnect terminal blocks**

**WTL 6/3**



**B**

**Ordering data**

Pos.	Type	Order No.	Order No.	Qty.
1	WEW35/2/EWK1	1061200000	0206160000	2
2	WTL 6/3	1018800000		10
3	SSP WTL	1604200000	1604200000	4
4	WKS 1/2	1604270000	1604270000	3

Optionally available for better labelling for WTL 6/3 (instead of 14 x pos. 3):

Pos.	Type	Order No.	Order No.	Qty.
5	STB 21.6/IH/DB WTL6/3	1071000000	1071000000	7
6	STB 21.6/IH/GE WTL6/3	1071010000	1071010000	2
7	STB 21.6/IH/GN WTL6/3	1071020000	1071020000	2
8	STB 21.6/IH/VI WTL6/3	1071030000	1071030000	2
9	STB 21.6/IH/BL WTL6/3	1071080000	1071080000	1
10	STB 21.6/IH/SW WTL6/3	1071040000	1071040000	3

Additionally available for a shared k-point:

Pos.	Type	Order No.	Order No.	Qty.
11	WQV 6/5	1062660000	1062660000	1



WTL 6/3

6 mm<sup>2</sup>

Longitudinal - disconnect

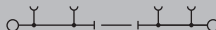


Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

7.9 x 87 x 64

57 / 10

0.5...10



Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-

Note

Ordering data

Version	without socket
	with socket

Note

Accessories

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole

End bracket

dark beige

Cross-connection slider

- 2-pole
- 3-pole
- 4-pole

Testing / Checking

- Test plug
- Socket - blue
- Socket - yellow
- Socket - green
- Socket - magenta

Miscellaneous accessories

Lockout device

Identification systems

IEC	UL	CSA	EN 60079-7
500	300	300	
41	45	45	
6	AWG 20...8	AWG 20...8	
6 kV / 3			
A5 / V-0			

CE, ENEC, TUV

Rated connection

0.5...10 / 10...10
0.5...10 / 0.5...6
0.8...1.6 Nm / (M 3.5)
0.5...0.7 Nm
12 / 0.8 x 4.0 mm

Type	Qty.	Order No.
WTL 6/3	50	1018800000
WTL 6/3/STB	50	1018600000

TS 32 version on request

Type	current	Qty.	Order No.
WQV 6/2	57 A	50	1052360000
WQV 6/3	57 A	50	1054760000
WQV 6/4	57 A	50	1054860000
WQV 6/10	57 A	20	1052260000

WEW 35/2	100	1061200000
WKS 1/2	50	1604270000
WKS 1/3	50	1604290000
WKS 1/4	50	1604310000

PS 4 F.STB 4	20	0299600000
STB 21.6/IH/BL WTL6/3	50	1071080000
STB 21.6/IH/GE WTL6/3	50	1071010000
STB 21.6/IH/GN WTL6/3	50	1071020000
STB 21.6/IH/VI WTL6/3	50	1071030000

current		
SSP WTL6/2	100	1604200000
DEK 5/8 MC NE WS	800	1856740000
WS 12/8 PLUS MC NE WS	420	1906000000

For detailed information on other accessories and application in the online catalogue

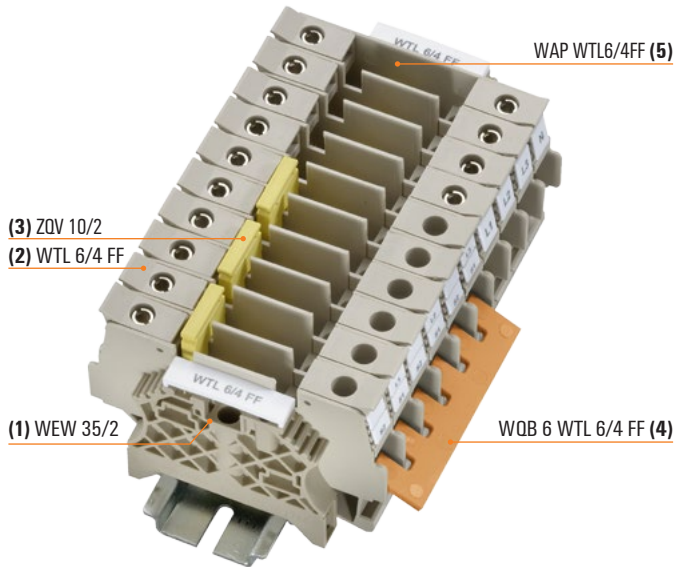
For further modular disconnect test terminal accessories, refer to chapter on Accessories.

## Instrument transformer wiring

### Screw connection

#### Test-disconnect terminal blocks

#### WTL 6/4 FF



B

#### Ordering data

Pos.	Type	Order No.	Qty.
1	WEW 35/2	1061200000	2
2	WTL 6/4 FF	1887210000	10
3	ZQV 10/2	1739680000	1
4	WQB 6 WTL 6/4 FF	2551490000	1
5	WAP WTL6/4 FF	1887240000	1

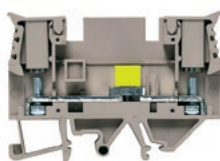




WTL 6/4 FF

6 mm<sup>2</sup>

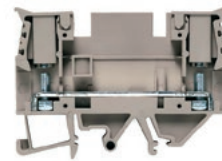
Longitudinal separator



WTD 6/4 FF

6 mm<sup>2</sup>

Feed-through terminal



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

11 x 76.5 x 52
41 / 6
0.5...6

11 x 76.5 x 52
41 / 6
1.5...6

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Approvals	

IEC	UL	CSA	EN 60079-7
800	600	600	
41	30	40	
6	AWG 26...10		
1.2...2.4 Nm / (M 4)			
0.5...1 Nm			

IEC	UL	CSA	EN 60079-7
800	600	600	
41	30	40	
6	AWG 26...10		
1.2...2.4 Nm / (M 4)			

Note

500 V when used as test-disconnect terminal

500 V when used as test-disconnect terminal

Ordering data

Version
---------

Type	Qty.	Order No.
------	------	-----------

Type	Qty.	Order No.
------	------	-----------

Note

Accessories

Pluggable cross-connection
----------------------------

Type	current	Qty.	Order No.
------	---------	------	-----------

Type	current	Qty.	Order No.
------	---------	------	-----------

End plate / Partition plate
-----------------------------

ZDV 10/2		25	1739680000
----------	--	----	------------

ZDV 10/2		25	1739680000
----------	--	----	------------

dark beige
------------

WAP WTL6/4FF		20	1887240000
--------------	--	----	------------

WAP WTL6/4FF		20	1887240000
--------------	--	----	------------

End bracket
-------------

EWK 1		50	0206160000
EW 35/SCHA/M3		20	0258660000

EWK 1		50	0206160000
EW 35/SCHA/M3		20	0258660000

Connecting sleeve

Screwable cross-connection

VH 13.5/4.9/3.3 SAK4		100	0248500000
----------------------	--	-----	------------

VH 13.5/4.9/3.3 SAK4		100	0248500000
----------------------	--	-----	------------

2-pole
--------

QL 2 WTL6/4FF		100	1897010000
QL 3 WTL6/4FF		100	1897020000
QL 4 WTL6/4FF		100	1897030000
QL 10 WTL 6/4 FF		100	1897090000

QL 2 WTL6/4FF		100	1897010000
QL 3 WTL6/4FF		100	1897020000
QL 4 WTL6/4FF		100	1897030000
QL 10 WTL 6/4 FF		100	1897090000

3-pole
--------

4-pole
--------

10-pole
---------

Cross-connection

Q 2 WTL6/4FF		100	1897110000
Q 4 WTL 6/4FF		100	1897130000
Q 10 WTL 6/4FF		100	1897190000

Q 2 WTL6/4FF		100	1897110000
Q 4 WTL 6/4FF		100	1897130000
Q 10 WTL 6/4FF		100	1897190000

Cross-connection plug

2-pole
--------

QS 2/12/4	44 A	20	0270760000
-----------	------	----	------------

QS 2/12/4	44 A	20	0270760000
-----------	------	----	------------

Cable lug
-----------

LIR 1,5M4 V		100	9200090000
LIR 2,5M4 V		100	9200170000
LIR 6M4 V		100	9200230000

LIR 1,5M4 V		100	9200090000
LIR 2,5M4 V		100	9200170000
LIR 6M4 V		100	9200230000

Screwdriver

SDIS 0.8X4.0X100		1	9008400000
SDS 0.8X4.0X100		1	9008340000
SDIZ 0,8X5,5 150/248		1	9008640000

SDIS 0.8X4.0X100		1	9008400000
SDS 0.8X4.0X100		1	9008340000
SDIZ 0,8X5,5 150/248		1	9008640000

Crimping tool

CTI 6		1	9006120000
-------	--	---	------------

CTI 6		1	9006120000
-------	--	---	------------

Identification systems

DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000

DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 M MC NE WS		720	1792000000

For detailed information on other accessories and application in the online catalogue

Use for all wire cross-sections with cables lugs, in accordance with DIN 46234.



**Instrument transformer wiring**  
**Screw connection**




WTL 35

35 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

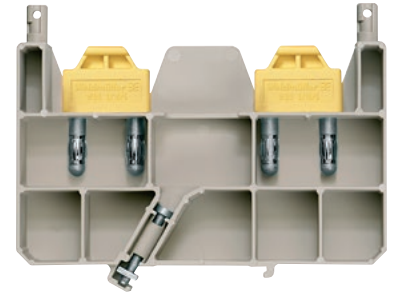
16 x 100 x 67.5
<b>125 / 35</b>
<b>4...35</b>



**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
500			
125			
35			
		6 kV / 3	
		B9 / V-0	
CE			
Rated connection			
4...16 / 10...35			
4...35 / 4...35			
/ (M 6)			
1.7...2.4 Nm			
18 / 6.5 x 1.2 mm			
Note			
The tightening torque for 16 - 50 mm <sup>2</sup> stranded conductors is 4.5 Nm.			



**Ordering data**

Version	
	without socket
	with socket
	with 2 sockets
Note	

Type	Qty.	Order No.
WTL 35/2STB	10	1925030000
WTL 35/1STB	10	1925060000
WTL 35/1STB/WQV	10	1925050000

**Accessories**

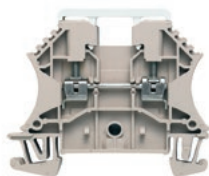
Screwable cross-connection	
	2-pole
End bracket	
Cover	
Fastenings	
Screwdriver	
	Standard
Identification systems	

Type	current	Qty.	Order No.
WQV 35/2	135 A	50	1053060000
WQS 2/16/5		10	1925070000
WEW WTL 35		10	1925040000
ADHB/8 WTL35		25	2334730000
BFEL + BEMU WEW WTL 35		20	1964820000
current			
SDS 1.2X6.5X150		1	9009010000
WS 12/6 MC NE WS		600	1609900000

For detailed information on other accessories and application in the online catalogue

WDU 2.5/TC

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-
Max. clamping range	mm <sup>2</sup>

10.2 x 60 x 50
/ 2.5
0.13...2.5

**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	-
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-

IEC 60584, IEC 60947-7-1

Ex e III 2 G D

IEC	UL	CSA	EN 60079-7
			55
			8
2.5			2.5 mm <sup>2</sup>
/ 3			
A2 / V-0			
CE		SIRA 02ATEX3153 U	
<b>Rated connection</b>			
0.5...2.5 / 1.5...2.5			
0.5...2.5 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
10 / 0.6 x 3.5 mm			

Note

**Ordering data**

<b>Version</b>	
(NiCr - Ni) type K	
(Cu - CuNi) type T	
(Fe-CuNi) type J	
(Pt 10% - Pt Rh/Pt 13% - Pt Rh) type SR	
(Pt 10% Rh - Pt 6% Rh) type B	
(NiCr - CuNi) type E	
(NiSiI - Nicrosil) type N	

Note

**Accessories**

<b>End plate / Partition plate</b>	
	dark beige
	dark beige
<b>End bracket</b>	
	dark beige
<b>Identification systems</b>	

Type	Qty.	Order No.
WDU 2.5/TC TYP K	50	1024100000
WDU 2.5/TC TYP T	50	1024200000
WDU 2.5/TC TYP J	50	1024300000
WDU 2.5/TC TYP SR	50	1024400000
WDU 2.5/TC TYP B	50	1033700000
WDU 2.5/TC TYP E	50	1033300000
WDU 2.5/TC TYP N	50	1041500000

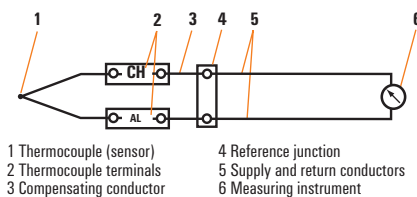
Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 16*35 WTW 2.5-10		20	1050100000
WEW 35/2		100	1061200000
DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue

Weidmüller thermocouple terminals are specially designed for the transmission of very small voltages in temperature measuring circuits. Special current bars ensure that no false signals are transmitted within the terminal when temperature differences between the positive and negative paths exist. This high measuring precision is required, for example, in aircraft engine test rigs, complicated chemical processes, controllers, etc.

- Material of current bar corresponds to thermal and compensating conductors
- Clear thermocouple marking
- 2-pole blocks per thermocouple
- Modular width 10 mm

**Configuration of a temperature measuring circuit**



The thermocouple terminals shown in this measuring circuit are used for the thermoelectrical transmission of the thermoelectric voltage from the thermocouple to the reference junction and the indicator unit via the compensating conductor. Thermocouple terminals are required for constructing a temperature measuring circuit.

**Technical data**

Thermocouples to IEC 584 (DIN 43 710)

Current bar	Material
	Cromel Alumel
	E-grade copper Constantan
	Iron Constantan
	E-grade copper/ A-grade copper
	S-grade copper/ E-grade copper
	Cromel- Constantan

# Clear wiring for high-density signalling levels

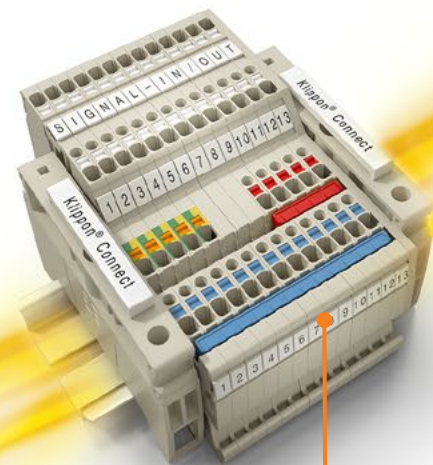
## With Klippon® Connect in the smallest spaces



With the current levels of automation, there are more and more sensors monitoring the production process. This increases the number of signals to be combined and structured. Given the restricted space in the panel, this can become a real challenge. Our application-specific initiator/actuator terminal blocks (AIO) are specially designed for the signal wiring requirements posed by automation now and into the future. You can benefit from tailored, really compact solutions for the structured wiring of initiator and actuator signals with the input and output modules of a programmable logic controller (PLC).

### Our promise

With tailored application products, Klippon® Connect offers all the benefits required for structured wiring of initiator and actuator signals. The simple handling and the maximum flexibility in the choice of design meets the requirements for reliable signal wiring simply, efficiently and safely.



### Safety

- Test options on every terminal
- Vibration-resistant and gas-tight connections
- Top-level safety for machines and systems

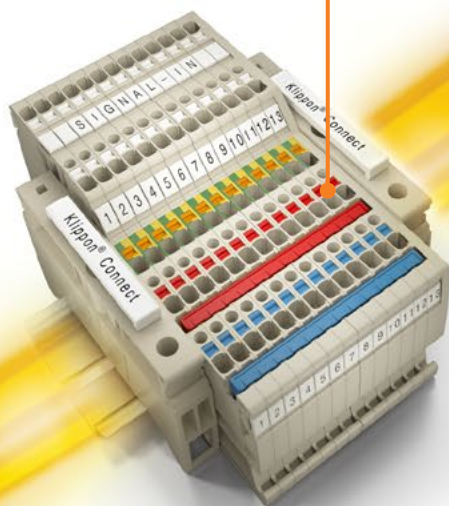
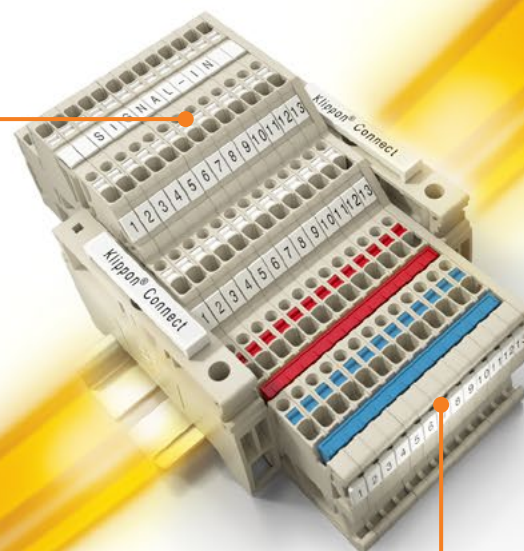


**Space saving**

- Up to four different potentials on a terminal just 3.5 mm wide
- Structuring and combining of signals in confined spaces

**Time saving**

- Simple to use thanks to PUSH IN technology
- Convenient plus/minus potential distribution through range of cross connection options
- Simple wiring thanks to colour-coded pushers

**Flexibility**

- Maximum clarity thanks to wide variety of labelling options
- User and service-friendly thanks to clear design
- A wide assortment of variants in three designs

B

**Our range****Extreme flexibility in potential distribution:**

With our application products, you can achieve effective and safe potential distribution while looping the signals to the I/O system. You can benefit from increased wiring density with more potentials on a single terminal block. This not only saves space, but also reduces the time required to assemble the terminal block.

**Free choice of design:**

Our application products for signal wiring (AIO) are available in three designs. Depending on the design, you can connect 3- or 4-wire sensors or actuators. The large number of variants, e.g. with built-in PE function, allows maximum flexibility when it comes to designing the signal feed.

AIO – sensor-actuator terminal blocks



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

Ordering data

Version
Note

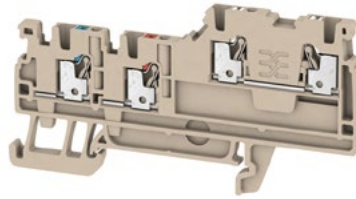
Accessories

Pluggable cross-connection	
	2-pole/ red
	10-pole / red
	2-pole / blue
	10-pole/ blue
End plate	
End bracket	
	dark beige
	dark beige
Test adapter	
	1-pole
	stackable
Test plug	
Screwdriver	
	Standard
Identification systems	



AI021 1.5 SI

1.5 mm<sup>2</sup>



3.5 x 80 x 42
13.5 / 1.5
0.14...1.5

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		220
13.5	13		
1.5	AWG 26...14		1.5 mm <sup>2</sup>
4 kV / 3			
A1 / V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Note			
Approval in progress			

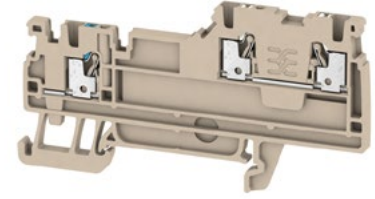
Type	Qty.	Order No.
AI021 1.5 SI	100	1992260000

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	1985650000
ZQV 1.5N/10 RD	17.5 A	20	1985800000
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP IO21		50	1993580000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
WS 10/3.5 PLUS MC NE WS		960	2003760000

All MultiMark variants (MM) – strip markers

AI021 1.5 SO

1.5 mm<sup>2</sup>



3.5 x 80 x 42
13.5 / 1.5
0.14...1.5

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		220
13.5	13		
1.5	AWG 26...14		1.5 mm <sup>2</sup>
4 kV / 3			
A1 / V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1			
8 / 0.4 x 2.0 mm			
Note			
Approval in progress			

Type	Qty.	Order No.
AI021 1.5 SO	100	1992240000

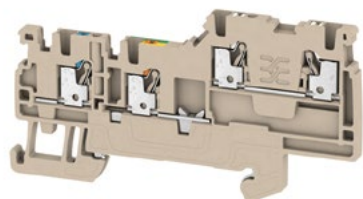
Type	current	Qty.	Order No.
ZQV 1.5N/2 BL	17.5 A	60	1985530000
ZQV 1.5N/10 BL	17.5 A	20	1985680000
AEP IO21		50	1993580000
AEB 35 SC/1		50	1991920000
ZEW 35		20	9540000000
ATPG 1.5-10 L		50	1991890000
ATPG 1.5 MI-R		50	1991880000
PS 2.0 MC		20	0310000000
SDS 0.4X2.0X60		1	9037160000
DEK 5/3.5 MM WS		1000	2007100000
WS 8/3.5 MM WS		1000	2007140000
DEK 5/3.5 PLUS MC NE WS		1600	2003750000
WS 10/3.5 PLUS MC NE WS		960	2003760000

All MultiMark variants (MM) – strip markers

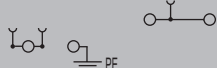
For detailed information on other accessories and application in the online catalogue

**AI021 1.5 SO-PE**

**1.5 mm<sup>2</sup>**



3.5 x 80 x 42  
**13.5 / 1.5**  
**0.14...1.5**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		220
13.5	13		
1.5	AWG 26...14		1.5 mm <sup>2</sup>
4 kV / 3			
A1 / V-0			



**Rated connection**

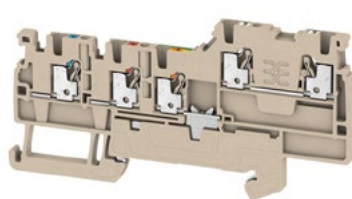
0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

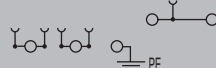
Type	Qty.	Order No.
AI021 1.5 SO-PE	100	<b>1992250000</b>

**AI022 1.5 SI-PE**

**1.5 mm<sup>2</sup>**



3.5 x 89 x 45  
**13.5 / 1.5**  
**0.14...1.5**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		220
13.5	13		
1.5	AWG 26...14		1.5 mm <sup>2</sup>
4 kV / 3			
A1 / V-0			



**Rated connection**

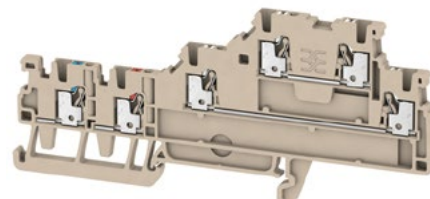
0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

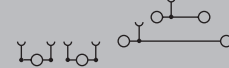
Type	Qty.	Order No.
AI022 1.5 SI-PE	100	<b>1992230000</b>

**AI023 1.5 2SI**

**1.5 mm<sup>2</sup>**



3.5 x 110 x 49.5  
**13.5 / 1.5**  
**0.14...1.5**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	150		220
13.5	13		
1.5	AWG 26...14		1.5 mm <sup>2</sup>
4 kV / 3			
A1 / V-0			



**Rated connection**

0.5...1.5 / 0.5...1.5  
0.5...1.5 / 0.5...1  
8 / 0.4 x 2.0 mm

Approval in progress

Type	Qty.	Order No.
AI023 1.5 2SI	50	<b>1992220000</b>

Type	current	Qty.	Order No.
ZQV 1.5N/2 BL	17.5 A	60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A	20	<b>1985680000</b>
AEP IO21		50	<b>1993580000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 1.5 MI-R		50	<b>1991880000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDS 0.4X2.0X60		1	<b>9037160000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>
DEK 5/3.5 PLUS MC NE WS		1600	<b>2003750000</b>
WS 10/3.5 PLUS MC NE WS		960	<b>2003760000</b>

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A	20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A	60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A	20	<b>1985680000</b>
AEP IO22		50	<b>1993590000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 1.5 MI-R		50	<b>1991880000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDS 0.4X2.0X60		1	<b>9037160000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>
DEK 5/3.5 PLUS MC NE WS		1600	<b>2003750000</b>
WS 10/3.5 PLUS MC NE WS		960	<b>2003760000</b>

Type	current	Qty.	Order No.
ZQV 1.5N/2 RD	17.5 A	60	<b>1985650000</b>
ZQV 1.5N/10 RD	17.5 A	20	<b>1985800000</b>
ZQV 1.5N/2 BL	17.5 A	60	<b>1985530000</b>
ZQV 1.5N/10 BL	17.5 A	20	<b>1985680000</b>
AEP IO23		50	<b>1993600000</b>
AEB 35 SC/1		50	<b>1991920000</b>
ZEW 35		20	<b>9540000000</b>
ATPG 1.5-10 L		50	<b>1991890000</b>
ATPG 1.5 MI-R		50	<b>1991880000</b>
PS 2.0 MC		20	<b>0310000000</b>
SDS 0.4X2.0X60		1	<b>9037160000</b>
DEK 5/3.5 MM WS		1000	<b>2007100000</b>
WS 8/3.5 MM WS		1000	<b>2007140000</b>
DEK 5/3.5 PLUS MC NE WS		1600	<b>2003750000</b>
WS 10/3.5 PLUS MC NE WS		960	<b>2003760000</b>

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

All MultiMark variants (MM) = strip markers

Application range

**B**



**Signal wiring**  
**Tension clamp connection**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/-
Max. clamping range	-

**Technical data**

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Stripping length / Blade size	-/-
Note	

**Ordering data**

Version	Base terminal Base terminal with LED PE base terminal
Note	

**Accessories**

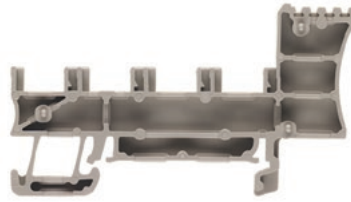
Pluggable cross-connection	2-pole 3-pole 4-pole 10-pole 50-pole
Reducing sleeves	For conductors < 0.5 mm <sup>2</sup> / AWG 20 For conductors < 1.0 mm <sup>2</sup> / AWG 18
End plate / Partition plate	dark beige With spigot Without peg
Screwdriver	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

**ZPV 1.5**

**1.5 mm<sup>2</sup>**

**Base element**



5.1 x 67.8 x 38.35
--------------------

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
17.5	10		
1.5	AWG 26...14	AWG 26...14	
	4 kV / 3		
	/ V-0		
Rated connection			

Type	Qty.	Order No.
ZPV 1.5	100	1676630000
ZVL 1.5 0.0V = distribution strip without internal bridge for park position.		

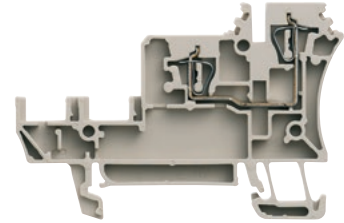
Type	current	Qty.	Order No.
ZAP/TW ZPV1.5		50	1674650000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

For holding the ZVL 1.5 distribution strip

**ZIA 1.5/3 L...**

**1.5 mm<sup>2</sup>**

**Base element 3-wire**



5.08 x 68.5 x 45.5
/ 2.5
0.13...2.5

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...14	AWG 26...14	
	4 kV / 3		
	A1 / V-0		
Rated connection			
0.5...2.5			
0.5...2.5 / 0.5...1.5			
7 / 0.6 x 3.5 mm			
Bi-directional LED in ZIA 1.5/3L-1/LD (1651990000)			

Type	Qty.	Order No.
ZIA 1.5/3L-1S	100	1651980000
ZIA 1.5/3L-1S/LD-RT	50	1651990000
ZIA 1.5/3L-PE	20	1652000000
ZVL 1.5 0.0V = distribution strip without internal bridge for park position.		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/50	24 A	10	1697540000
ZRH 1.5N/1		1000	1632140000
ZRH 1.5N/2		1000	1632130000
ZAP/TW ZIA1.5/3L		50	1649540000
current			
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044

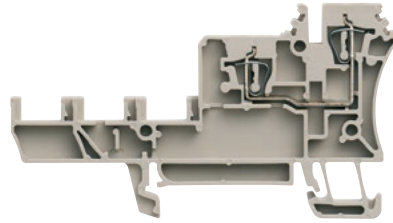




ZIA 1.5/4 L...

1.5 mm<sup>2</sup>

Base element 4-wire



5.08 x 81.5 x 45.5  
/ 2.5  
0.13...2.5



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...14	AWG 26...14	
4 kV / 3			
A1 / V-0			

CE

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
7 / 0.6 x 3.5 mm

Bi-directional LED in ZIA 1.5/4L-1/LD (1652020000)

ZVL 1.5

1.5 mm<sup>2</sup>

Distribution strip



5.08 x 12.9 x 17.45  
/ 2.5  
0.13...2.5



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...14	AWG 26...14	
4 kV / 3			
A2 / V-0			

CE

Rated connection
0.5...2.5
0.5...2.5 / 0.5...1.5
7 / 0.6 x 3.5 mm

Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

Technical data

Rated data	
Rated voltage	V
Max. voltage of clamp support & pluggable system	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	dark beige
	dark beige
	blue
	green/yellow
	Base terminal
	Base terminal with LED
	PE base terminal
	brown

Note

Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	50-pole
Reducing sleeves	
	For conductors < 1.0 mm <sup>2</sup> / AWG 18
	For conductors < 0.5 mm <sup>2</sup> / AWG 20
End plate / Partition plate	
	dark beige
	Without peg
	With spigot
Screwdriver	
	Standard
Identification systems	

For detailed information on other accessories and application in the online catalogue

Type	Qty.	Order No.
ZIA 1.5/4L-1S	100	1652010000
ZIA 1.5/4L-1S/LD	50	1652020000
ZIA 1.5/4L-PE	20	1652030000

ZVL 1.5 0.QV = distribution strip without internal bridge for park position.

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/50	24 A	10	1697540000
ZRH 1.5N/2		1000	1632130000
ZRH 1.5N/1		1000	1632140000
ZAP/TW ZIA1.5/4L		50	1649550000
current			
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044

Type	Qty.	Order No.
ZVL 1.5	100	1649300000
ZVL 1.5 0.QV	100	1711930000
ZVL 1.5 BL	100	1650360000
ZVL 1.5/PE GN/GE BED	100	1651970000
ZVL 1.5 BR	100	1650370000

ZVL 1.5 0.QV = distribution strip without internal bridge for park position.

Type	current	Qty.	Order No.
ZRH 1.5N/2		1000	1632130000
ZRH 1.5N/1		1000	1632140000
BZT ZVL1.5/0.ZA		100	1676620000
BZT ZVL1.5		100	1676610000
current			
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS		1000	1609801044

Integrated cross-connectors.  
Distribution strip for base element ZPV 1.5 Order no. 1676630000

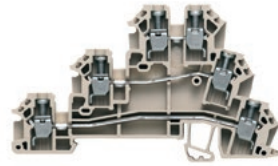
**Signal wiring**  
**Screw connection**



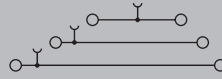
**DLD 2.5**

**2.5 mm<sup>2</sup>**

**Voltage supply**



6.2 x 82.5 x 48.5  
**24 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



**Rated connection**

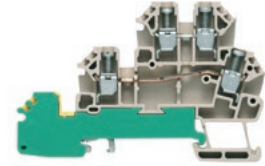
0.5...4 / 0.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

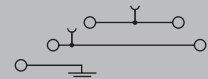
**DLD 2.5 PE**

**2.5 mm<sup>2</sup>**

**Lower level earthed**



6.1 x 74.5 x 48.5  
**17.5 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300		
17.5	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



**Rated connection**

0.5...4 / 0.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

**Electronic fixtures**

Component voltage / Component current	-/-
Operating voltage for display, max. / Current	-/-

**Clamped conductors (H05V/H07V)**

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

Version	
	dark beige
	dark beige (red LED)
	dark beige (green LED)
<b>Note</b>	

**Accessories**

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Small partition	
	Small partition
Identification systems	

Type	Qty.	Order No.
DLD 2.5 DB	50	1784180000
Variant in blue, Order no. 6269250000 (qty. 50)		

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	1312500000
Q 3 DLI	20 A	50	1312600000
Q 4 DLI	20 A	50	1312700000
Q 10 DLI	20 A	20	1313100000
AP DLI2.5 DB		20	1783550000
EW 35		50	0383560000
SDS 0.6X3.5X100		1	9008330000
TSCH 1		100	0319160000
DEK 5/6 MC NE WS		1000	1609820000

Type	Qty.	Order No.
DLD 2.5/PE DB	50	1783790000

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	1312500000
Q 3 DLI	20 A	50	1312600000
Q 4 DLI	20 A	50	1312700000
Q 10 DLI	20 A	20	1313100000
AP DLI2.5 DB		20	1783550000
EW 35		50	0383560000
SDS 0.6X3.5X100		1	9008330000
TSCH 1		100	0319160000
DEK 5/6 MC NE WS		1000	1609820000

For detailed information on other accessories and application in the online catalogue

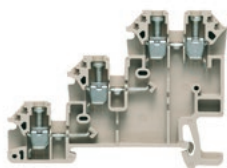
TEAP DLD2.5 DB partial end plate, Order no. 1784220000 (20 pcs.)

TEAP DLD2.5/PE DB partial end plate, Order no. 1783810000 (20 pcs.)

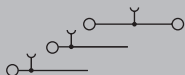
**DLI 2.5**

**2.5 mm<sup>2</sup>**

Initiator connection (signal,+,-)



6.1 x 66 x 48.5  
**32 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
24	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



**Rated connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped.

Type	Qty.	Order No.
DLI 2.5 DB	100	<b>1783820000</b>

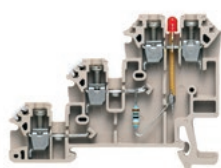
Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	<b>1312500000</b>
Q 3 DLI	20 A	50	<b>1312600000</b>
Q 4 DLI	20 A	50	<b>1312700000</b>
Q 10 DLI	20 A	20	<b>1313100000</b>
AP DLI2.5 DB		20	<b>1783550000</b>
EW 35		50	<b>0383560000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
TSCH 1		100	<b>0319160000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

StB 8.5 socket in upper busbar (together with PS 2.3 test plug)

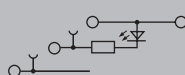
**DLI 2.5 LD PNP**

**2.5 mm<sup>2</sup>**

Initiator connection with LED



6.1 x 66 x 48.5  
**24 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
30		30	
24		10	
2.5	AWG 26...12	AWG 26...12	
0.8 kV / 3			
A3 / V-0			



30 / 5

**Rated connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
7 / 0.6 x 3.5 mm

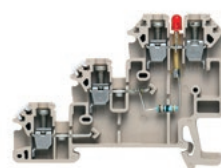
Type	Qty.	Order No.
DLI 2.5/LD-RT/PNP +- DB	100	<b>1783980000</b>
DLI 2.5/LD-GN/PNP +- DB	100	<b>1783970000</b>

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	<b>1312500000</b>
Q 3 DLI	20 A	50	<b>1312600000</b>
Q 4 DLI	20 A	50	<b>1312700000</b>
Q 10 DLI	20 A	20	<b>1313100000</b>
AP DLI2.5 DB		20	<b>1783550000</b>
EW 35		50	<b>0383560000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
TSCH 1		100	<b>0319160000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

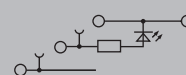
**DLI 2.5 LD NPN**

**2.5 mm<sup>2</sup>**

Initiator connection with LED



6.1 x 66 x 48.5  
**24 / 4**  
**0.13...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
30		30	
24		10	
2.5	AWG 26...12	AWG 26...12	
0.8 kV / 3			
A3 / V-0			



30 / 5

**Rated connection**

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)  
7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLI 2.5/LD-RT/NPN +- DB	100	<b>1783950000</b>
DLI 2.5/LD-GN/NPN +- DB	100	<b>1783940000</b>

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	<b>1312500000</b>
Q 3 DLI	20 A	50	<b>1312600000</b>
Q 4 DLI	20 A	50	<b>1312700000</b>
Q 10 DLI	20 A	20	<b>1313100000</b>
AP DLI2.5 DB		20	<b>1783550000</b>
EW 35		50	<b>0383560000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
TSCH 1		100	<b>0319160000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>



**Signal wiring**  
**Screw connection**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Electronic fixtures	
Component voltage / Component current	-/-
Operating voltage for display, max. / Current	-/-
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	
	dark beige
	dark beige (red LED)
	dark beige (green LED)
Note	

**Accessories**

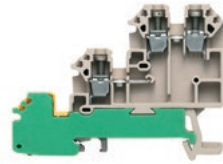
Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Small partition	
	Small partition
Identification systems	

For detailed information on other accessories and application in the online catalogue

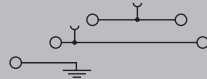
**DLA 2.5**

**2.5 mm<sup>2</sup>**

Actuator connection (signal,-PE)



6.1 x 65 x 48.5
<b>26 / 4</b>
<b>0.13...4</b>



IEC 60947-7-1 (-7:2)

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



**Rated connection**

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

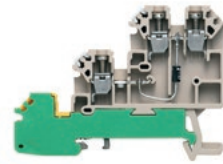
Type	Qty.	Order No.
DLA 2.5 DB	100	<b>1783560000</b>

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	<b>1312500000</b>
Q 3 DLI	20 A	50	<b>1312600000</b>
Q 4 DLI	20 A	50	<b>1312700000</b>
Q 10 DLI	20 A	20	<b>1313100000</b>
AP DLI2.5 DB		20	<b>1783550000</b>
EW 35		50	<b>0383560000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
TSCH 1		100	<b>0319160000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

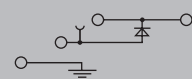
**DLA 2.5/D**

**2.5 mm<sup>2</sup>**

Actuator connection (circuit with diode)



6.1 x 66 x 48.5
<b>17.5 / 4</b>
<b>0.13...4</b>



IEC 60947-7-1 (-7:2)

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			



**Rated connection**

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.4...0.6 Nm / (M 2.5)
7 / 0.6 x 3.5 mm

Rated voltage is reduced to 30 V AC when one pole with a different potential is skipped with a cross-connector.

Type	Qty.	Order No.
DLA 2.5/D DB	100	<b>1783590000</b>

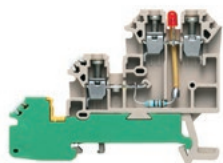
Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	<b>1312500000</b>
Q 3 DLI	20 A	50	<b>1312600000</b>
Q 4 DLI	20 A	50	<b>1312700000</b>
Q 10 DLI	20 A	20	<b>1313100000</b>
AP DLI2.5 DB		20	<b>1783550000</b>
EW 35		50	<b>0383560000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
TSCH 1		100	<b>0319160000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>

For detailed information on other accessories and application in the online catalogue

**DLA 2.5/LD**

**2.5 mm<sup>2</sup>**

Actuator connection with LED



6.1 x 66 x 48.5  
**17.5 / 4**  
**0.13...4**



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
30		30	
17.5		10	
2.5	AWG 26...12	AWG 26...12	
0.8 kV / 3			
A3 / V-0			



30 / 5

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

0.4...0.6 Nm / (M 2.5)

7 / 0.6 x 3.5 mm

Type	Qty.	Order No.
DLA 2.5/LD-RT DB	100	<b>1783600000</b>

Type	current	Qty.	Order No.
Q 2 DLI	20 A	50	<b>1312500000</b>
Q 3 DLI	20 A	50	<b>1312600000</b>
Q 4 DLI	20 A	50	<b>1312700000</b>
Q 10 DLI	20 A	20	<b>1313100000</b>
AP DLI2.5 DB		20	<b>1783550000</b>
EW 35		50	<b>0383560000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
TSCH 1		100	<b>0319160000</b>
DEK 5/6 MC NE WS		1000	<b>1609820000</b>



# Space-saving connection of process control systems

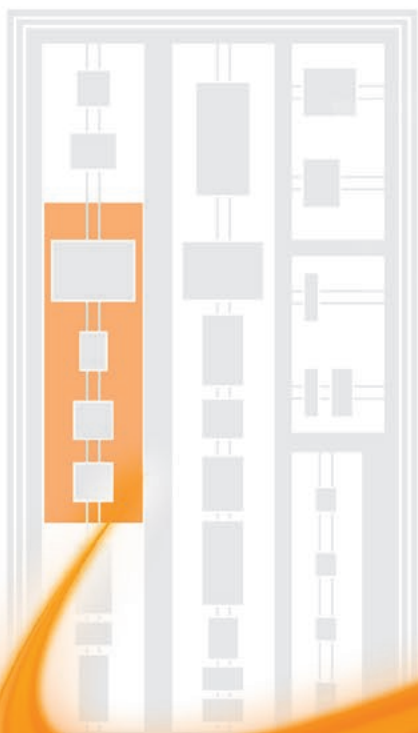
## Efficient marshalling and distribution with Klippon® Connect signals



Increasingly complex requirements for automation processes and increasing demands in terms of monitoring and recording operational data have led to an ever-increasing number of sensors in the field for process technology. This means that space- and time-saving wiring of signals in DCS marshalling panels in the process and energy generation industries is becoming increasingly demanding. Our terminal blocks for DCS marshalling enable extremely compact yet clear panel design. The additional signals for automation can be easily connected and processed.

### Our promise

With our terminal blocks for DCS marshalling, you have maximum flexibility from the planning phase: potential later extensions can be planned in from the start. This means that Klippon® Connect saves you time and money and considerably improves productivity.

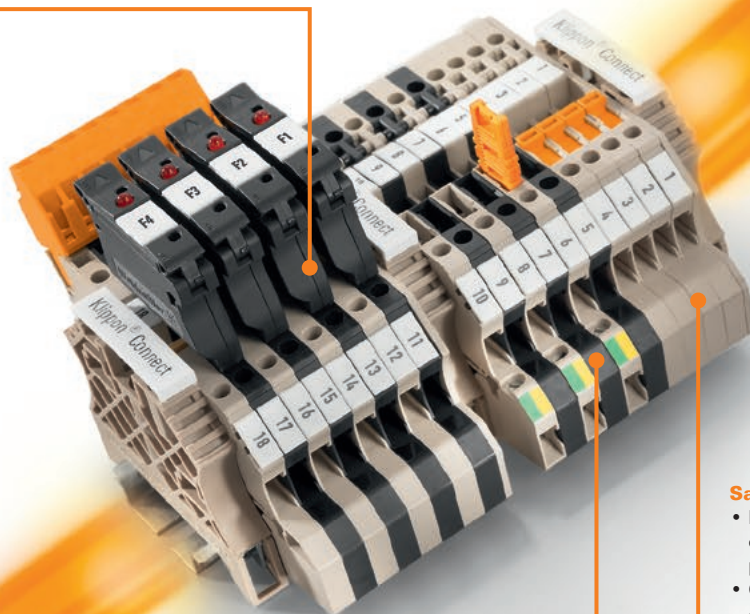


### Space saving

- Up to 50 percent more space in the panel thanks to optimised design
- Subsequent design extensions can be considered from the outset

**Time saving**

- Use of pre-assembled cable sets with pluggable BLZ connectors saves valuable wiring time
- Quick and convenient fuse changes thanks to fuse holder with pivoting fuse lever

**Flexibility**

- All the important terminal block functions in a single design
- More flexibility in potential distribution thanks to three cross-connection channels
- Setup of an additional shield potential next to the neutral conductor is possible with ZQV standard cross connections

**Safety**

- Error-free assignment of signals, based on a colour-coded matrix structure and printed partition plates
- Guarantees vibration-resistant and gas-tight connections
- Protection from electromagnetic influences
- Consistently low contact resistance thanks to innovative V-shaped current bars

B

**Our range****Unique design for plenty of space:**

Our PUSH IN terminal blocks for DCS marshalling (PRV) with up to 16 connection levels are specially designed to meet the requirements for wiring initiator and actuator signals in process control engineering. The optimised design guarantees a space saving of up to 50 percent in the panel. And the unique V-shape of the current bars ensures consistently low contact resistances.

**One solution for all requirements:**

The WMF-Series of screw connection terminals is a multi-functional solution for the marshalling and distribution of signals. Feed-through, fuse and disconnector function plus an additional shield connection are included in one design.





Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

### Ordering data

Version	black for TS 35x15 blue for TS 35x15 black for TS 35x7.5 blue for TS 35x7.5
Note	

### Accessories

End plate	black blue grey
Marker holder	black for TS 35 x 15 blue for TS 35 x 15 black for TS 35 x 7.5 blue for TS 35 x 7.5
Partition plate	Unprinted Printed 0...3 or 0...7 or 0...15 Printed 1...4 or 1...8 or 1...16 Printed A...D or A...H or A...P
End bracket	black
Screwdriver	Standard
Pluggable cross-connection	2-pole
Identification systems	

### PRV 4 RT

1.5 mm<sup>2</sup>



9.2 x 70 x 54.5	
<b>13 / 1.5</b>	
<b>0.13...1.5</b>	

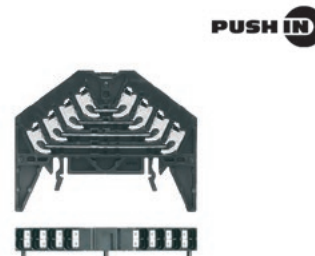
IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...16		
			4 kV / 3
			/V-0
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
Note			

Type	Qty.	Order No.
PRV 4 SW 35X15 RT	20	1173810000
PRV 4 BL 35X15 RT	20	1267890000
PRV 4 SW 35X7.5 RT	20	1173830000
PRV 4 BL 35X7.5 RT	20	1267900000
RT = red actuators		

Type	current	Qty.	Order No.
PAP PRV/PPV4 SW		10	1173750000
PAP PRV/PPV4 BL		10	1268010000
PAP PRV/PPV4 GR		10	1211450000
BZT PRV4 SW 35X15		20	1173590000
BZT PRV4 BL 35X15		20	1267980000
BZT PRV4 SW 35X7.5		20	1173600000
BZT PRV4 BL 35X7.5		20	1267990000
TW PRV4		10	1173700000
TW PRV4 0-3		10	1230060000
TW PRV4 1-4		10	1230050000
TW PRV4 A-D		10	1230070000
ZEW 35/2 SW		20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

### PRV 4 WS

1.5 mm<sup>2</sup>



9.2 x 70 x 54.5	
<b>13 / 1.5</b>	
<b>0.13...1.5</b>	

IEC 60947-7-1, DIN EN 60079			
IEC	UL	CSA	EN 60079-7
250	300	300	
10	10	10	
1.5	AWG 26...16		
			4 kV / 3
			/V-0
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
Note			

Type	Qty.	Order No.
PRV 4 SW 35X15 WS	20	1173820000
PRV 4 BL 35X15 WS	20	1173920000
PRV 4 SW 35X7.5 WS	20	1173840000
PRV 4 BL 35X7.5 WS	20	1173930000
WS = white actuators		

Type	current	Qty.	Order No.
PAP PRV/PPV4 SW		10	1173750000
PAP PRV/PPV4 BL		10	1268010000
PAP PRV/PPV4 GR		10	1211450000
BZT PRV4 SW 35X15		20	1173590000
BZT PRV4 BL 35X15		20	1267980000
BZT PRV4 SW 35X7.5		20	1173600000
BZT PRV4 BL 35X7.5		20	1267990000
TW PRV4		10	1173700000
TW PRV4 0-3		10	1230060000
TW PRV4 1-4		10	1230050000
TW PRV4 A-D		10	1230070000
ZEW 35/2 SW		20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

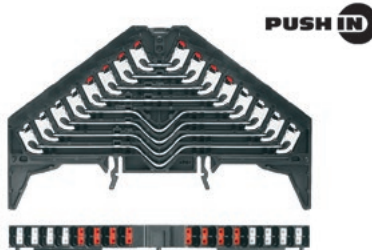
For detailed information on other accessories and application in the online catalogue





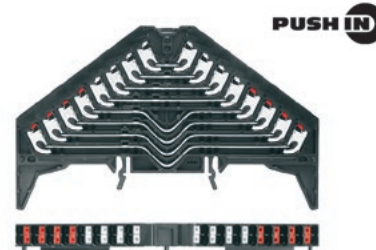
PRV 8 RT/WS

1.5 mm<sup>2</sup>



PRV 8 WS/RT

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.2 x 120 x 73	
10 / 1.5	
0.13...1.5	

9.2 x 120 x 73	
10 / 1.5	
0.13...1.5	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
250	300	300	
8	10	10	
1.5	AWG 26...16		
4 kV / 3			
/ V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
Note			

IEC	UL	CSA	EN 60079-7
250	300	300	
8	10	10	
1.5	AWG 26...16		
4 kV / 3			
/ V-0			
Rated connection			
0.5...1.5 / 0.5...1.5			
0.5...1.5 / 0.5...1.5			
10 / 0.6 x 3.5 mm			
Note			

Ordering data

Version	
	black for TS 35x15
	blue for TS 35x15
	black for TS 35x7.5
	blue for TS 35x7.5
Note	

Type	Qty.	Order No.
PRV 8 SW 35X15 RT/WS	20	1173740000
PRV 8 BL 35X15 RT/WS	20	1267830000
PRV 8 SW 35X7.5 RT/WS	20	1173790000
PRV 8 BL 35X7.5 RT/WS	20	1267840000
RT = red actuators WS = white actuators		

Type	Qty.	Order No.
PRV 8 SW 35X15 WS/RT	20	1173780000
PRV 8 BL 35X15 WS/RT	20	1173900000
PRV 8 SW 35X7.5 WS/RT	20	1173800000
PRV 8 BL 35X7.5 WS/RT	20	1173910000
RT = red actuators WS = white actuators		

Accessories

End plate	
	black
	blue
	grey
Marker holder	
	black for TS 35 x 15
	blue for TS 35 x 15
	black for TS 35 x 7.5
	blue for TS 35 x 7.5
Partition plate	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P
End bracket	black
Screwdriver	Standard
Pluggable cross-connection	2-pole
Identification systems	

Type	current	Qty.	Order No.
PAP PRV/PPV8 SW		10	1173720000
PAP PRV/PPV8 BL		10	1268000000
PAP PRV/PPV8 GR		10	1211460000
BZT PRV8 SW 35X15		20	1173570000
BZT PRV8 BL 35X15		20	1267950000
BZT PRV8 SW 35X7.5		20	1173580000
BZT PRV8 BL 35X7.5		20	1267970000
TW PRV8		10	1173670000
TW PRV8 0-7		10	1230090000
TW PRV8 1-8		10	1230080000
TW PRV8 A-H		10	1230110000
ZEW 35/2 SW		20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

Type	current	Qty.	Order No.
PAP PRV/PPV8 SW		10	1173720000
PAP PRV/PPV8 BL		10	1268000000
PAP PRV/PPV8 GR		10	1211460000
BZT PRV8 SW 35X15		20	1173570000
BZT PRV8 BL 35X15		20	1267950000
BZT PRV8 SW 35X7.5		20	1173580000
BZT PRV8 BL 35X7.5		20	1267970000
TW PRV8		10	1173670000
TW PRV8 0-7		10	1230090000
TW PRV8 1-8		10	1230080000
TW PRV8 A-H		10	1230110000
ZEW 35/2 SW		20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue





Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

### Ordering data

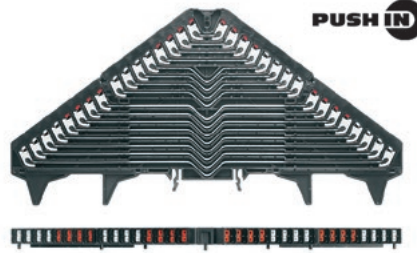
Version	
	black for TS 35x15
	blue for TS 35x15
	black for TS 35x7.5
	blue for TS 35x7.5
Note	

### Accessories

End plate	
	black
	blue
	grey
Marker holder	
	black for TS 35 x 15
	blue for TS 35 x 15
	black for TS 35 x 7.5
	blue for TS 35 x 7.5
Partition plate	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P
End bracket	
	black
Screwdriver	
	Standard
Pluggable cross-connection	
	2-pole
Identification systems	

### PRV 16 RT/WS

1.5 mm<sup>2</sup>



9.2 x 225 x 113.5	
<b>11 / 1.5</b>	
<b>0.13...1.5</b>	

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA	EN 60079-7
250	300	300	
6	1	1	
1.5		AWG 26...16	
		4 kV / 3	
		/V-0	

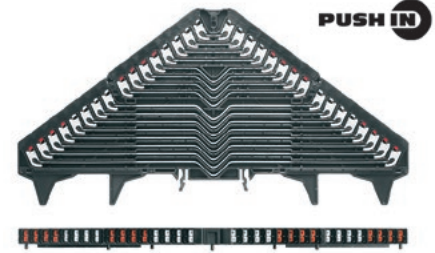
Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	
Note	

Type	Qty.	Order No.
PRV 16 SW 35X15 RT/WS	20	1173620000
PRV 16 BL 35X15 RT/WS	20	1267790000
PRV 16 SW 35X7.5 RT/WS	20	1173680000
PRV 16 BL 35X7.5 RT/WS	20	1267810000
RT = red actuators WS = white actuators		

Type	current	Qty.	Order No.
BZT PRV16 SW 35X15		20	1173540000
BZT PRV16 BL 35X15		20	1267930000
BZT PRV16 SW 35X7.5		20	1173550000
BZT PRV16 BL 35X7.5		20	1267940000
TW PRV16		10	1173630000
TW PRV16 0-15		10	1230130000
TW PRV16 1-16		10	1230120000
TW PRV16 A-P		10	1230140000
WEW 35/1 SW		50	1162600000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

### PRV 16 WS/RT

1.5 mm<sup>2</sup>



9.2 x 225 x 113.5	
<b>11 / 1.5</b>	
<b>0.13...1.5</b>	

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA	EN 60079-7
250	300	300	
6	1	1	
1.5		AWG 26...16	
		4 kV / 3	
		/V-0	

Rated connection	
0.5...1.5 / 0.5...1.5	
0.5...1.5 / 0.5...1.5	
10 / 0.6 x 3.5 mm	
Note	

Type	Qty.	Order No.
PRV 16 SW 35X15 WS/RT	20	1173650000
PRV 16 BL 35X15 WS/RT	20	1267800000
PRV 16 SW 35X7.5 WS/RT	20	1173710000
PRV 16 BL 35X7.5 WS/RT	20	1267820000
RT = red actuators WS = white actuators		

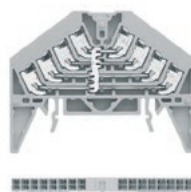
Type	current	Qty.	Order No.
BZT PRV16 SW 35X15		20	1173540000
BZT PRV16 BL 35X15		20	1267930000
BZT PRV16 SW 35X7.5		20	1173550000
BZT PRV16 BL 35X7.5		20	1267940000
TW PRV16		10	1173630000
TW PRV16 0-15		10	1230130000
TW PRV16 1-16		10	1230120000
TW PRV16 A-P		10	1230140000
WEW 35/1 SW		50	1162600000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue



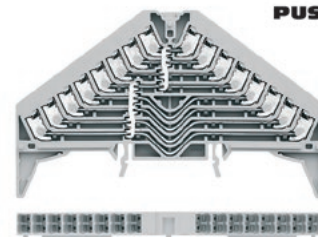
PPV 4

1.5 mm<sup>2</sup>



PPV 8

1.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

9.2 x 70 x 54.5	
/ 1.5	
0.13...1.5	

9.2 x 120 x 73	
/ 1.5	
0.13...1.5	

Technical data

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

IEC 60947-7-1, DIN EN 60079

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...16	AWG 26...16	
4 kV / 3			
/ V-0			

CE

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250	300	300	
17.5	10	10	
1.5	AWG 26...16	AWG 26...16	
4 kV / 3			
/ V-0			

CE

Rated connection
0.5...1.5 / 0.5...1.5
0.5...1.5 / 0.5...1.5

10 / 0.6 x 3.5 mm

Note

Ordering data

Version	
	blue for TS 35x15
	grey for TS 35x15
	orange for TS 35x15
	blue for TS 35x7.5
	grey for TS 35x7.5
	orange for TS 35x7.5

Note

Type	Qty.	Order No.
PPV 4 BL 35X15 DGR	20	1267910000
PPV 4 GR 35X15 DGR	20	1173880000
PPV 4 OR 35X15 DGR	20	1301610000
PPV 4 BL 35X7.5 DGR	20	1267920000
PPV 4 GR 35X7.5 DGR	20	1173890000
PPV 4 OR 35X7.5 DGR	20	1301630000

DGR = dark grey actuators

Type	Qty.	Order No.
PPV 8 BL 35X15 DGR	20	1267870000
PPV 8 GR 35X15 DGR	20	1173850000
PPV 8 OR 35X15 DGR	20	1301620000
PPV 8 BL 35X7.5 DGR	20	1267880000
PPV 8 GR 35X7.5 DGR	20	1173870000
PPV 8 OR 35X7.5 DGR	20	1301640000

DGR = dark grey actuators

Accessories

End plate	
	black
	blue
	grey

Marker holder	
	black for TS 35 x 15
	blue for TS 35 x 15
	black for TS 35 x 7.5
	blue for TS 35 x 7.5

Partition plate	
	Unprinted
	Printed 0...3 or 0...7 or 0...15
	Printed 1...4 or 1...8 or 1...16
	Printed A...D or A...H or A...P

End bracket	
	black

Screwdriver	
	Standard

Pluggable cross-connection	
	2-pole

Identification systems	

Type	current	Qty.	Order No.
PAP PRV/PPV4 SW		10	1173750000
PAP PRV/PPV4 BL		10	1268010000
PAP PRV/PPV4 GR		10	1211450000
BZT PRV4 SW 35X15		20	1173590000
BZT PRV4 BL 35X15		20	1267980000
BZT PRV4 SW 35X7.5		20	1173600000
BZT PRV4 BL 35X7.5		20	1267990000
TW PRV4		10	1173700000
TW PRV4 0-3		10	1230060000
TW PRV4 1-4		10	1230050000
TW PRV4 A-D		10	1230070000
ZEW 35/2 SW		20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

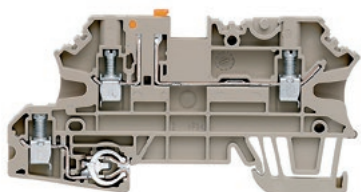
Type	current	Qty.	Order No.
PAP PRV/PPV8 SW		10	1173720000
PAP PRV/PPV8 BL		10	1268000000
PAP PRV/PPV8 GR		10	1211460000
BZT PRV8 SW 35X15		20	1173570000
BZT PRV8 BL 35X15		20	1267950000
BZT PRV8 SW 35X7.5		20	1173580000
BZT PRV8 BL 35X7.5		20	1267970000
TW PRV8		10	1173670000
TW PRV8 0-7		10	1230090000
TW PRV8 1-8		10	1230080000
TW PRV8 A-H		10	1230110000
ZEW 35/2 SW		20	1162610000
SDIS SL 0.6X3.5X100		1	1274660000
SRC-I QV P		10	8870840000
WS 7.8/9.2 PLUS MC NE GR		360	1208970000

For detailed information on other accessories and application in the online catalogue

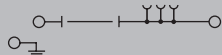


WMF 2.5 DI PE

2.5 mm<sup>2</sup>



5.08 x 88 x 44.5  
20 / 4  
0.5...4



IEC	UL	CSA	EN 60079-7
	600	600	
20	19	19	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

0.5...0.6 Nm / (M 3)

10 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WMF 2.5 DI PE	50	1143030000
WMF 2.5 DI PE BL	50	1270080000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
AP WMF2.5		50	1142990000
WEW 35/1		50	1059000000
SDS 0.6X3.5X100		1	9008330000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
FUCR SW		10	1167630000
FUCR 10-36V SW		10	1167640000
FUCR 100-250V SW		10	1167680000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000





Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

#### Approvals

#### Clamped conductors (H05V/H07V)

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-

#### Note

### Ordering data

Version	
	black
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	100-250 V AC/DC, with LED

#### Note

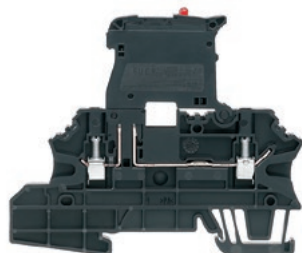
### Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	removable, as replacement for release lever
Identification systems	

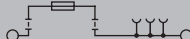
For detailed information on other accessories and application in the online catalogue

### WMF 2.5 FU

2.5 mm<sup>2</sup>



5.08 x 88 x 74
6.3 / 4
0.5...4



IEC	UL	CSA	EN 60079-7
	600	600	
6.3	17	17	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

#### CE e-PA RoHS

#### Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...0.6 Nm / (M 3)
10 / 0.6 x 3.5 mm

#### Note

Type	Qty.	Order No.
WMF 2.5 FU SW	50	1162920000
WMF 2.5 FU 10-36V SW	50	1162930000
WMF 2.5 FU 30-70V SW	50	1162940000
WMF 2.5 FU 60-150V SW	50	1162950000
WMF 2.5 FU 100-250V SW	50	1162960000

The WMF FU terminals may not be aligned directly under one another.

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000

AP WMF2.5	50	1142990000
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WEW 35/2	100	1061200000
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SDS 0.6X3.5X100	1	9008330000
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SIHA 3/G20	25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
FUCR SW	10	1167630000
FUCR 10-36V SW	10	1167640000
FUCR 100-250V SW	10	1167680000

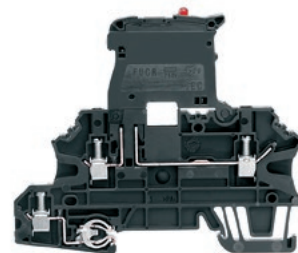
BEST	50	1833100000
BEST/DRBR	50	1878570000
BEST/D	50	1878560000

TNST	50	1833090000
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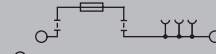
DEK 5/5 MC NE WS	1000	1609801044
WS 10/5 MC NE WS	720	1635000000

### WMF 2.5 FU PE

2.5 mm<sup>2</sup>



5.08 x 88 x 74
6.3 / 4
0.5...4



IEC	UL	CSA	EN 60079-7
	600	600	
6.3	17	17	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

#### CE e-PA RoHS

#### Rated connection

0.5...4 / 1.5...4
0.5...4 / 0.5...2.5
0.5...0.6 Nm / (M 3)
10 / 0.6 x 3.5 mm

#### Note

Type	Qty.	Order No.
WMF 2.5 FU PE SW	50	1163040000
WMF 2.5 FU PE 10-36V SW	50	1163050000
WMF 2.5 FU PE 30-70V SW	50	1163060000
WMF 2.5 FU PE 60-150V SW	50	1163070000
WMF 2.5 FU PE 100-250V SW	50	1163080000

The WMF FU terminals may not be aligned directly under one another.

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000

AP WMF2.5	50	1142990000
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WEW 35/2	100	1061200000
----------	-----	------------

SDS 0.6X3.5X100	1	9008330000
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SIHA 3/G20	25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
FUCR SW	10	1167630000
FUCR 10-36V SW	10	1167640000
FUCR 100-250V SW	10	1167680000

BEST	50	1833100000
BEST/DRBR	50	1878570000
BEST/D	50	1878560000

TNST	50	1833090000
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DEK 5/5 MC NE WS	1000	1609801044
WS 10/5 MC NE WS	720	1635000000

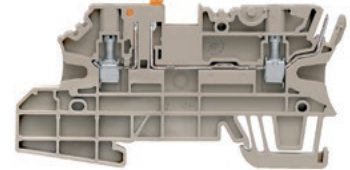
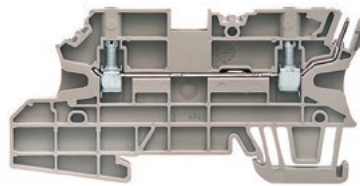


**WMF 2.5 BLZ**

2.5 mm<sup>2</sup>

**WMF 2.5 DI BLZ**

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

5.08 x 90 x 44.5	BLZ 5.08
<b>32 / 4</b>	
<b>0.5...4</b>	

5.08 x 90 x 44.5	BLZ 5.08
<b>20 / 4</b>	
<b>0.5...4</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
24	300	300	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
20	300	300	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

Approvals

**Clamped conductors (H05V/H07V)**

Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-

CE

<b>Rated connection</b>			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.5...0.6 Nm / (M 3)			
10 / 0.6 x 3.5 mm			

<b>Rated connection</b>			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.5...0.6 Nm / (M 3)			
10 / 0.6 x 3.5 mm			

**Note**

With BLZ plug the nominal current is reduced to 15.5 A.

With BLZ plug the nominal current is reduced to 15.5 A.

**Ordering data**

<b>Version</b>	dark beige
----------------	------------

**Note**

Type	Qty.	Order No.
WMF 2.5 BLZ	50	1143050000

Type	Qty.	Order No.
WMF 2.5 DI BLZ	50	1143000000

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	10-pole

**End plate / Partition plate**

	dark beige
--	------------

**End bracket**

	dark beige
--	------------

**Screwdriver**

	Standard
--	----------

**Holder for cartridge fuse 5 x 20 mm**

	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED

**Module connector (max. 250 V)**

	without fittings
	with wire jumper
	With 1N4007 diode

**Disconnect plug**

	removable, as replacement for release lever
--	---

**Identification systems**

	DEK 5/5 MC NE WS	1000	1609801044
	WS 10/5 M MC NE WS	720	1792000000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000

**AP WMF2.5**

		50	1142990000
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**WEW 35/2**

		100	1061200000
--	--	-----	------------

**SDS 0.6X3.5X100**

		1	9008330000
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Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000

**AP WMF2.5**

		50	1142990000
--	--	----	------------

**WEW 35/1**

		50	1059000000
--	--	----	------------

**SDS 0.6X3.5X100**

		1	9008330000
--	--	---	------------

**SIHA 3/G20**

		25	7921560000
--	--	----	------------

**SIHA 3/G20/LD 10-36V**

		25	7921570000
--	--	----	------------

**SIHA 3/G20/LD 140-250V**

		25	7921600000
--	--	----	------------

**FUCR SW**

		10	1167630000
--	--	----	------------

**FUCR 10-36V SW**

		10	1167640000
--	--	----	------------

**FUCR 100-250V SW**

		10	1167680000
--	--	----	------------

**BEST**

		50	1833100000
--	--	----	------------

**BEST/DRBR**

		50	1878570000
--	--	----	------------

**BEST/D**

		50	1878560000
--	--	----	------------

**TNST**

		50	1833090000
--	--	----	------------

**DEK 5/5 MC NE WS**

		1000	1609801044
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**WS 10/5 MC NE WS**

		720	1635000000
--	--	-----	------------

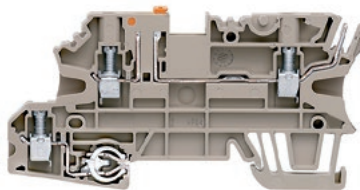
For detailed information on other accessories and application in the online catalogue

For detailed information on other accessories and application in the online catalogue



WMF 2.5 DI BLZ PE

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

5.08 x 90 x 44.5	BLZ 5.08
<b>20 / 4</b>	
<b>0.5...4</b>	

Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-

IEC 60947-7-2, IEC 61984, In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
20	300	300	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

CE	
Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...2.5	
0.5...0.6 Nm / (M 3)	
10 / 0.6 x 3.5 mm	

**Note**

With BLZ plug the nominal current is reduced to 15.5 A.

Ordering data

Version	dark beige
<b>Note</b>	

Type	Qty.	Order No.
WMF 2.5 DI BLZ PE	50	1143010000

Accessories

Pluggable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	removable, as replacement for release lever
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000
AP WMF2.5		50	1142990000
WEW 35/1		50	1059000000
SDS 0.6X3.5X100		1	9008330000
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
FUCR SW		10	1167630000
FUCR 10-36V SW		10	1167640000
FUCR 100-250V SW		10	1167680000
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
TNST		50	1833090000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

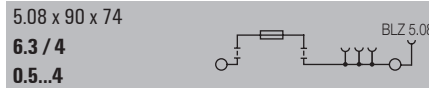
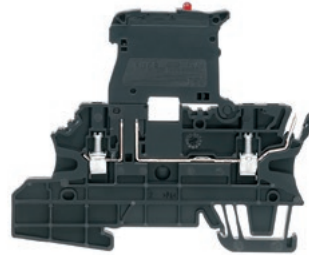
For detailed information on other accessories and application in the online catalogue





WMF 2.5 FU BLZ

2.5 mm<sup>2</sup>



IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-3

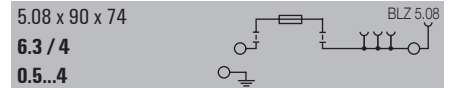
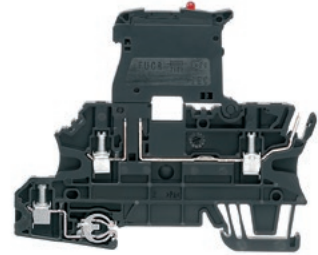
IEC	UL	CSA	EN 60079-7
	300	300	
6.3	17	17	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

CE

Rated connection	
Solid / Stranded	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	0.5...0.6 Nm / (M 3)
Stripping length / Blade size	10 / 0.6 x 3.5 mm

WMF 2.5 FU BLZ PE

2.5 mm<sup>2</sup>



IEC 60947-7-2, IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-7-3

IEC	UL	CSA	EN 60079-7
	300	300	
6.3	17	17	
2.5	AWG 26...12	AWG 26...12	
8 kV / 3			
A3 / V-0			

CE

Rated connection	
Solid / Stranded	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	0.5...4 / 0.5...2.5
Tightening torque (clamping screw for copper conductors)	0.5...0.6 Nm / (M 3)
Stripping length / Blade size	10 / 0.6 x 3.5 mm

Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-

Note

Ordering data

Version	
	black
	10-36 V AC/DC, with LED
	30-70 V AC/DC, with LED
	60-150 V AC/DC, with LED
	100-250 V AC/DC, with LED

Note

Accessories

Pluggable cross-connection	
	2-pole
	10-pole

End plate / Partition plate	
	dark beige

End bracket	
	dark beige

Screwdriver	
	Standard

Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED

Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode

Disconnect plug	
	removable, as replacement for release lever

Identification systems	
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For detailed information on other accessories and application in the online catalogue	
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Type	Qty.	Order No.
WMF 2.5 FU BLZ SW	50	1162980000
WMF 2.5 FU BLZ 10-36V SW	50	1162990000
WMF 2.5 FU BLZ 30-70V SW	50	1163000000
WMF 2.5 FU BLZ 60-150V SW	50	1163010000
WMF 2.5 FU BLZ 100-250V SW	50	1163020000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000

Type	Qty.	Order No.
AP WMF2.5	50	1142990000

Type	Qty.	Order No.
WEW 35/1	50	1059000000

Type	Qty.	Order No.
SDS 0.6X3.5X100	1	9008330000

Type	Qty.	Order No.
SIHA 3/G20	25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
FUCR SW	10	1167630000
FUCR 10-36V SW	10	1167640000
FUCR 100-250V SW	10	1167680000

Type	Qty.	Order No.
BEST	50	1833100000
BEST/DRBR	50	1878570000
BEST/D	50	1878560000

Type	Qty.	Order No.
TNST	50	1833090000

Type	Qty.	Order No.
DEK 5/5 MC NE WS	1000	1609801044
WS 10/5 MC NE WS	720	1635000000

Type	Qty.	Order No.
WMF 2.5 FU BLZ PE SW	50	1162820000
WMF 2.5 FU BLZ PE 10-36V SW	50	1162830000
WMF 2.5 FU BLZ PE 30-70V SW	50	1162840000
WMF 2.5 FU BLZ PE 60-150V SW	50	1162850000
WMF 2.5 FU BLZ PE 100-250V SW	50	1162860000

Type	current	Qty.	Order No.
ZQV 2.5N/2 GE	24 A	60	1693800000
ZQV 2.5N/10 GE	24 A	20	1693880000

Type	Qty.	Order No.
AP WMF2.5	50	1142990000

Type	Qty.	Order No.
WEW 35/1	50	1059000000

Type	Qty.	Order No.
SDS 0.6X3.5X100	1	9008330000

Type	Qty.	Order No.
SIHA 3/G20	25	7921560000
SIHA 3/G20/LD 10-36V	25	7921570000
SIHA 3/G20/LD 140-250V	25	7921600000
FUCR SW	10	1167630000
FUCR 10-36V SW	10	1167640000
FUCR 100-250V SW	10	1167680000

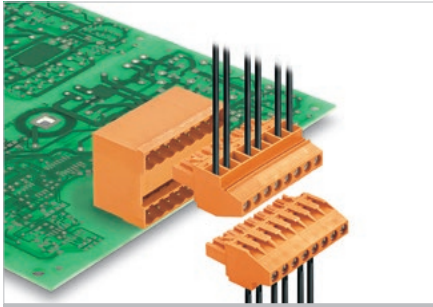
Type	Qty.	Order No.
BEST	50	1833100000
BEST/DRBR	50	1878570000
BEST/D	50	1878560000

Type	Qty.	Order No.
TNST	50	1833090000

Type	Qty.	Order No.
DEK 5/5 MC NE WS	1000	1609801044
WS 10/5 MC NE WS	720	1635000000

**DCS marshalling  
Accessories**

**BLZP 5.08HC../90**



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY - delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

**Technical data**

<b>In compliance with IEC 60664-1 / IEC 61984</b>			
Clamping range, max.	mm <sup>2</sup>	0.13...4	
<b>Solid core H05(07) V-U</b>	<b>mm<sup>2</sup></b>	<b>0.2...4</b>	
Stranded H07 V-R			
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...4	
Flexible with ferrule	mm <sup>2</sup>	0.2...4	
Ferrule with plastic collar	mm <sup>2</sup>	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm	0.4...0.5	
<b>Rated current, max.</b>	<b>A</b>	<b>23</b>	<b>21</b>
At ambient temperature		20°C	40°C
For conductor cross-section	mm <sup>2</sup>	4	
Overvoltage category		III	III II
Pollution severity		3	2 2
<b>Rated voltage</b>	<b>V</b>	<b>250</b>	<b>320 400</b>
Rated impulse voltage	kV	4	4 4
<b>UL / CUL (Use Group)</b>		<b>B</b>	<b>C D</b>
<b>Rated voltage</b>	<b>V</b>	<b>300</b>	<b>300</b>
<b>Rated current</b>	<b>A</b>	<b>20</b>	<b>10</b>
<b>AWG conductor</b>	<b>AWG</b>	<b>26-12</b>	
<b>CSA (Use Group)</b>		<b>B</b>	<b>C D</b>
Rated voltage	V	300	50 300
Rated current	A	20	20
AWG conductor	AWG	30-12	
<b>General data</b>			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

**Product data**

IEC: 400 V / 23 A / 0.2 - 4 mm<sup>2</sup>  
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to [catalog.weidmueller.com](http://catalog.weidmueller.com)

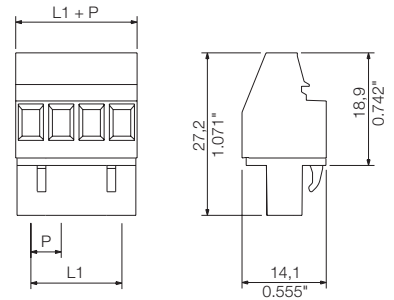
**Note:**

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

**BLZP 5.08HC../90**



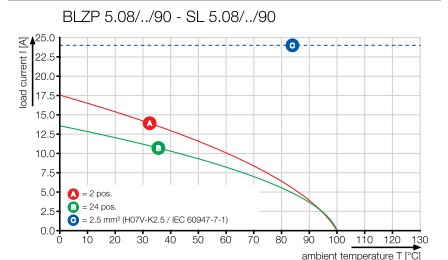
**Dimensioned drawing**



**Ordering data**

<b>Solder pin length</b>						
<b>Colour</b>	<b>Orange</b>		<b>Black</b>			
<b>Pitch 5.08 mm</b>						
Pol.	L1 (inch)	Qty.	Order No.	Order No.	Order No.	Order No.
2	5.08	0.200	180	1948000000	1948240000	
3	10.16	0.400	120	1948010000	1948250000	
4	15.24	0.600	90	1948020000	1948260000	
5	20.32	0.800	72	1948030000	1948270000	
6	25.40	1.000	60	1948040000	1948280000	
7	30.48	1.200	48	1948050000	1948290000	
8	35.56	1.400	42	1948060000	1948300000	
9	40.64	1.600	36	1948070000	1948310000	
10	45.72	1.800	36	1948080000	1948320000	
11	50.80	2.000	30	1948100000	1948330000	
12	55.88	2.200	30	1948110000	1948340000	
13	60.96	2.400	24	1948120000	1948350000	
14	66.04	2.600	24	1948130000	1948360000	
15	71.12	2.800	24	1948140000	1948370000	
16	76.20	3.000	18	1948150000	1948380000	
17	81.28	3.200	18	1948160000	1948390000	
18	86.36	3.400	18	1948170000	1948400000	
19	91.44	3.600	18	1948180000	1948410000	
20	96.52	3.800	18	1948190000	1948420000	
21	101.60	4.000	12	1948200000	1948430000	
22	106.68	4.200	12	1948210000	1948440000	
23	111.76	4.400	12	1948220000	1948450000	
24	116.84	4.600	12	1948230000	1948460000	

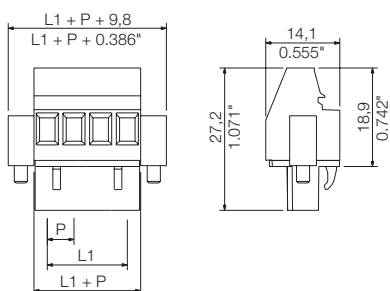
**Representative deratings curve**



**BLZP 5.08HC/./90F**



Dimensioned drawing



**The 2-in-1 contact**

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it 's even both - perfect for the current, and perfect for the force.



**Ordering data**

Solder pin length					
Colour		Orange	Black		
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1949800000	1950040000
3	10.16	0.400	72	1949810000	1950050000
4	15.24	0.600	60	1949820000	1950060000
5	20.32	0.800	48	1949830000	1950070000
6	25.40	1.000	42	1949840000	1950080000
7	30.48	1.200	36	1949850000	1950090000
8	35.56	1.400	36	1949860000	1950100000
9	40.64	1.600	30	1949870000	1950110000
10	45.72	1.800	30	1949880000	1950120000
11	50.80	2.000	24	1949890000	1950130000
12	55.88	2.200	24	1949900000	1950140000
13	60.96	2.400	24	1949910000	1950150000
14	66.04	2.600	18	1949920000	1950160000
15	71.12	2.800	18	1949930000	1950170000
16	76.20	3.000	18	1949940000	1950180000
17	81.28	3.200	18	1949950000	1950190000
18	86.36	3.400	18	1949960000	1950200000
19	91.44	3.600	12	1949970000	1950210000
20	96.52	3.800	12	1949980000	1950220000
21	101.60	4.000	12	1949990000	1950230000
22	106.68	4.200	12	1950010000	1950240000
23	111.76	4.400	12	1950020000	1950250000
24	116.84	4.600	12	1950030000	1950260000



**IL WMF 2.5 BLZ OR**



Ordering data
Note

Type	Qty.	Order No.
IL WMF2.5 BLZ OR	50	1167440000

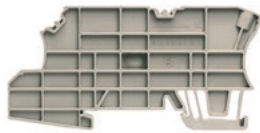
**WAD WMF 2.5**



Ordering data
Note

Type	Qty.	Order No.
WAD WMF2.5	50	1142970000

**WBB WMF 2.5 BLZ**



Ordering data
Note

Type	Qty.	Order No.
WBB WMF2.5 BLZ	10	1142980000

**AP WMF 2.5**



Ordering data
Note

Type	Qty.	Order No.
AP WMF2.5	50	1142990000

**FUCR SW**



Ordering data
Note

Type	Qty.	Order No.
FUCR 10-36V SW	10	1167640000



Support plates and end plates

PAP PRV/PPV4

PAP PRV/PPV8



Technical data	
Width	mm
Ordering data	
	dark beige
	blue
	blue
	grey
	black
Note	

3		
Type	Qty.	Order No.
PAP PRV/PPV4 BL	10	1268010000
PAP PRV/PPV4 GR	10	1211450000
PAP PRV/PPV4 SW	10	1173750000

3		
Type	Qty.	Order No.
PAP PRV/PPV8 GR	10	1211460000
PAP PRV/PPV8 SW	10	1173720000



## Safe, error-free plant operation

### Efficient shielding and earthing with Klippon® Connect

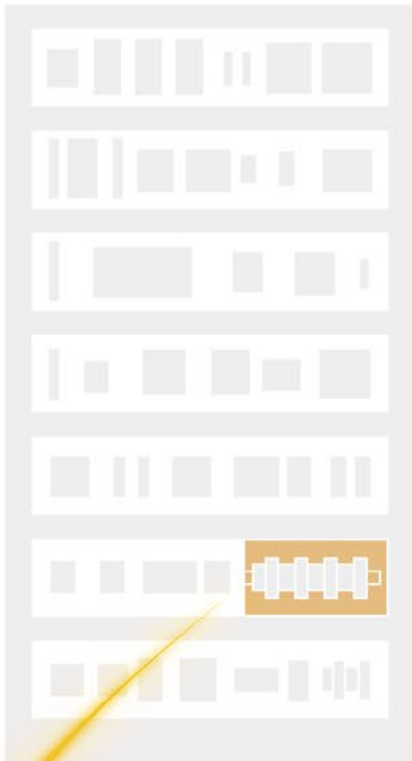


The safety and availability of plants must be guaranteed at all times. Careful planning and installation of safety functions play a particularly important role. For personnel protection, we offer a wide range of PE terminal blocks in different connection technologies. With our wide range of KLBÜ shield connections, you can achieve flexible and self-adjusting shield contacting and ensure error-free plant operation.

#### Our promise

Klippon® Connect reliably guarantees the protection of personnel and machines and increases plant availability. You can improve your productivity and benefit from more efficient planning and increased safety during installation and operation.

B

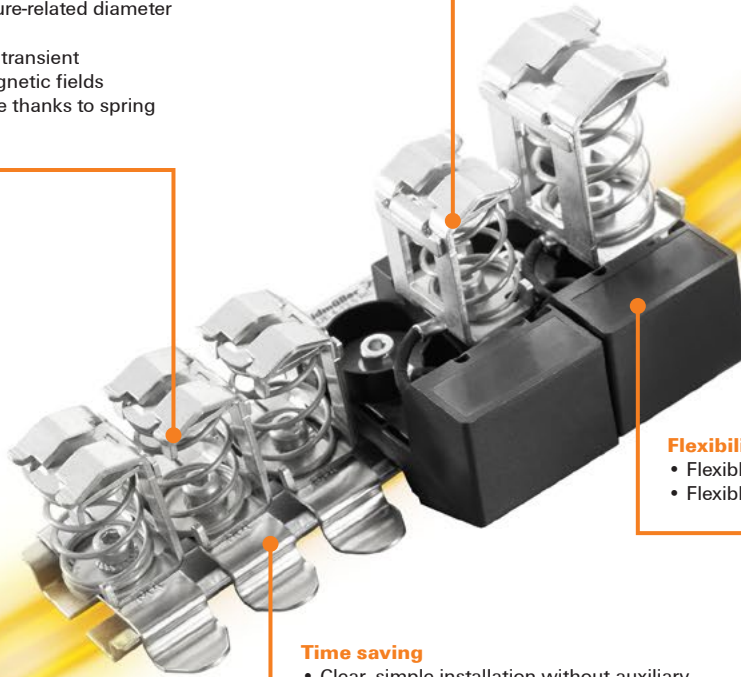


**Safety**

- The spring system on the shield connection compensates for temperature-related diameter deviation of the cable
- Reliable protection against transient overvoltage and electromagnetic fields
- Consistent contact pressure thanks to spring effect

**Space saving**

- Complete range for conductor diameters from 2 to 37 mm to meet all space requirements
- Perfect shielding thanks to comprehensive accessories

**Flexibility**

- Flexible mounting options
- Flexible adaptation to cable diameters

**Time saving**

- Clear, simple installation without auxiliary tools
- The right solution for every installation situation

**Our range****Shielding:**

Our complete range of KLBÜ shield connections, KHLA shield clamping saddles, SH 4C shield rail holders and KLBÜ RC shielding brackets allows simple and efficient installation of safe shielding systems.

**Protective earth (PE):**

We offer a wide range of green/yellow terminal blocks in screw connection, tension clamp and PUSH IN designs.

**Potential equalisation:**

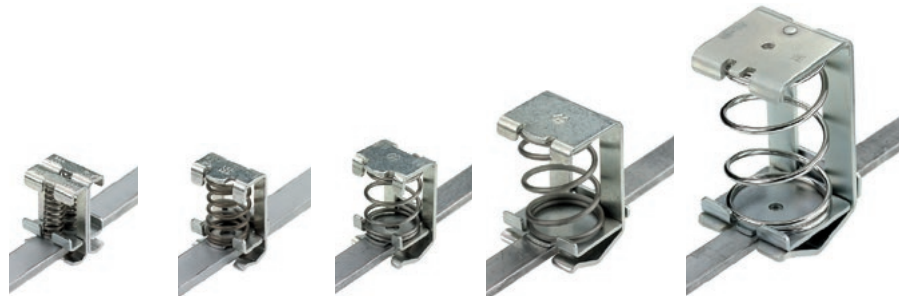
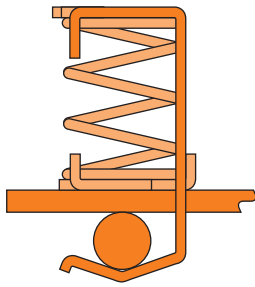
Our JB 25-50 and EBB 25-50/16 potential equalisation terminal blocks allow you to achieve reliably integrated potential equalisation, even in extended systems.

**Shielding and earthing**  
**Shield clamping saddle**

**Clamping bracket**

Cable attached to the busbar from below

Application range



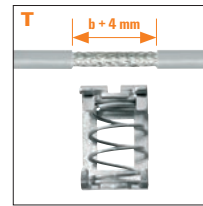
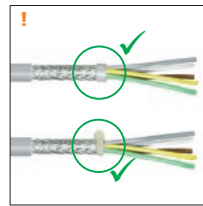
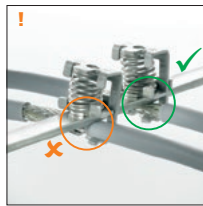
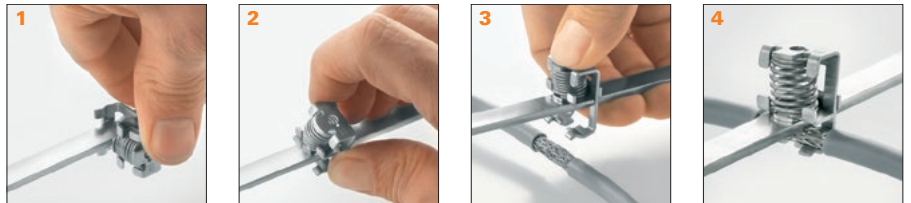
**KLBÜ 2 x 2-6**

**KLBÜ 3-8**

**KLBÜ 4-13.5**

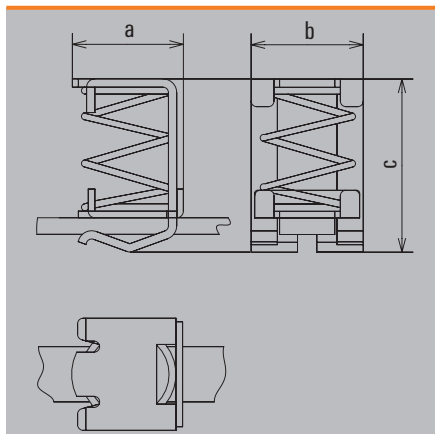
**KLBÜ 10-20**

**KLBÜ 15-32**



**B**

**KLBÜ**



**Ordering data**

Type	for cable diameters	Dimensions (a x b x c) mm	Qty.	Order No.
<b>Clamping bracket</b>				
KLBUE 2X2-6	2...6 mm	15 / 18 / 24	10	1675350000
KLBUE 3-8	3...8 mm	14.5 / 18.5 / 26	10	1600480000
KLBUE 4-13.5	4...13.5 mm	20.5 / 22 / 31.5	10	1592810000
KLBUE 10-20	10...20 mm	24 / 26 / 40	10	1600490000
KLBUE 15-32	15...32 mm	33.5 / 32 / 64	10	1716300000

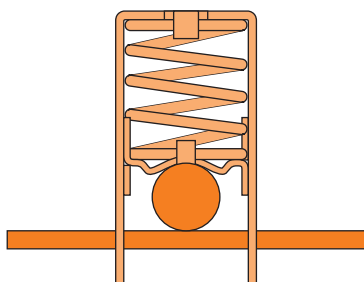
Type	Length	Material	Qty.	Order No.
<b>Busbar 10 x 3 (140 A)</b>				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	0348900000

Note



### Clamping bracket

Cable attached to the busbar from above



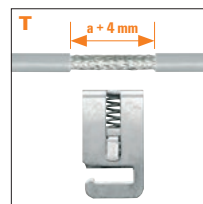
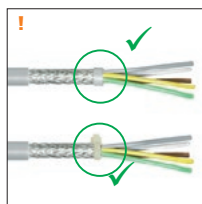
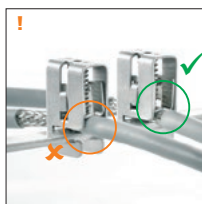
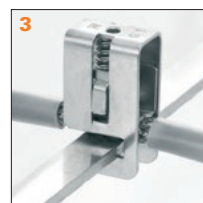
KLBÜ CO 1

KLBÜ CO 2

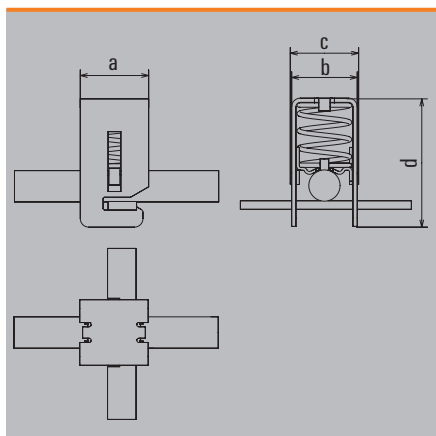
KLBÜ CO 3

KLBÜ CO 4

KLBÜ CO 5



### KLBÜ CO



### Ordering data

Type	for cable diameters	Dimensions (a x b x c x d) mm	Qty.	Order No.
<b>Clamping bracket</b>				
KLBUE CO 1	3...10 mm	18 / 12 / 13.2 / 32	10	1753311001
KLBUE CO 2	4...15 mm	18 / 20 / 21.1 / 41.6	10	1752131001
KLBUE CO 3	10...20 mm	25 / 23 / 24 / 45	10	1749151001
KLBUE CO 4	15...28 mm	32 / 31 / 25 / 56	10	1749161001
KLBUE CO 5	20...37 mm	35.5 / 40 / 42.7 / 64.5	10	1755081001

Type	Length	Material	Qty.	Order No.
<b>Busbar 10 x 3 (140 A)</b>				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	0348900000

### Note

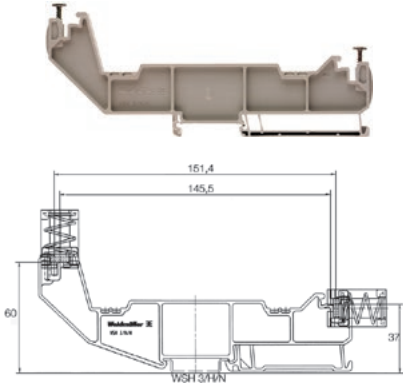


**Shielding and earthing**  
**Shield clamping saddle**

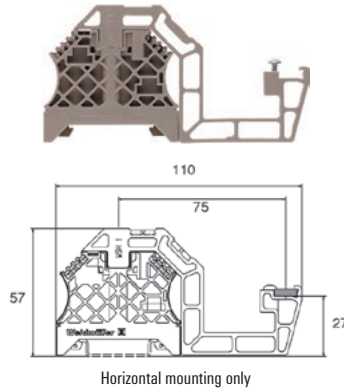
**Rail support**

Isolated mounting on TS 35

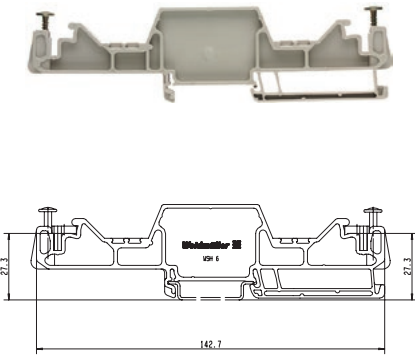
**Type WSH 1**



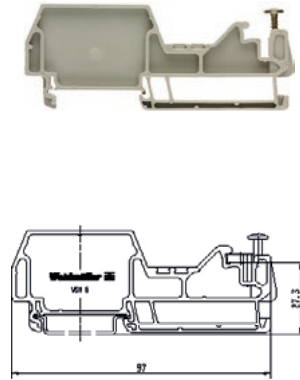
**Type WSH 3/H/N**



**Type WSH 5**



**Type WSH 6**



**WSH**

**Ordering data**

Type	Width	Qty.	Order No.
<b>Rail support</b>			
WSH 1	8 mm	10	1068700000
WSH 3/H/N	8 mm	10	1715970000
WSH 5	8 mm	10	1080100000
WSH 6	8 mm	10	1080200000

Type	Length	Material	Qty.	Order No.
<b>Busbar 10 x 3 (140 A)</b>				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	0348900000

**Note**

### Rail support

Conductive mounting on TS 35

#### TS 35 clip



### Busbar connector

BFEH 1/WSH



### Angled rail

SMSE WSH U1MT



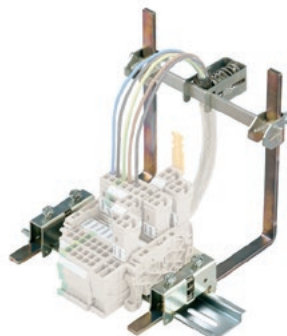
### Angled rail

SMSE WSH 135/60 MT



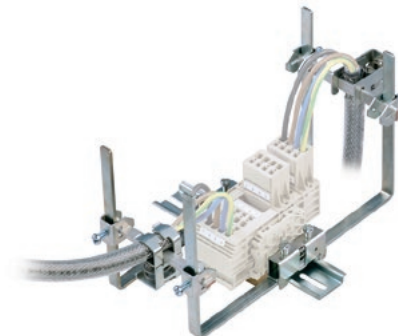
### Example assembly 1

- one busbar
- 2 x WSH 19 MT busbar support set



### Example assembly 2

- two busbars
- 2 x WSH 18 MT busbar support sets



## WSH

### Ordering data

Type	Dimensions (H x W x D) mm	Qty.	Order No.
<b>TS 35 clip</b>			
BS 35/WSH 2	52 / 13 / 37	10	1760720000
<b>Busbar connector</b>			
BFEH 1/WSH	20 / 13.5 / 31	10	1082400000
<b>Angled rail</b>			
SMSE WSH U1 MT	134 / 10 / 134	10	1083900000
SMSE WSH 135/60 MT	123.5 / 10 / 3	10	1246990000
<b>Rail support sets</b>			
WSH 18 MT		10	1083100000
WSH 19 MT		10	1083200000

Type	Length	Material	Qty.	Order No.
<b>Busbar 10 x 3 (140 A)</b>				
SSCH 10X3X1000 CU/SN	1000 mm	Copper	1	0348900000

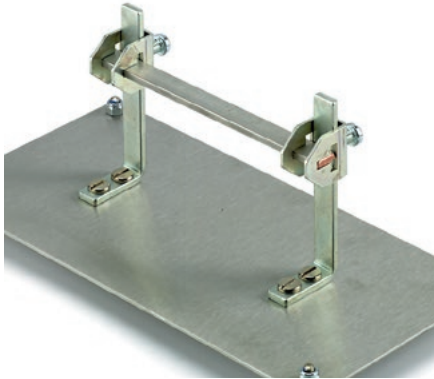
### Note



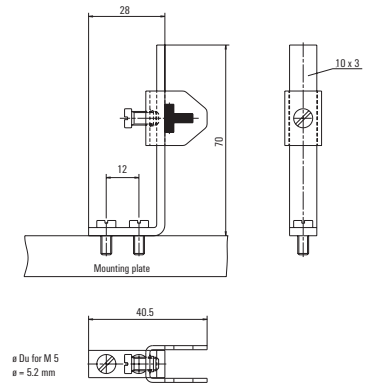
**Shielding and earthing**  
**Shield clamping saddle**

**Rail support / Spacer**

**Rail support**



- Set (WSH 4 MT) comprising:
- 1 busbar angle
  - 1 busbar connector (BFEH 1 / WSH)



**Spacer**

M6 outer and inner threads  
(in 15 mm, 20 mm and 30 mm lengths)



**WSH 4 MT / SP**

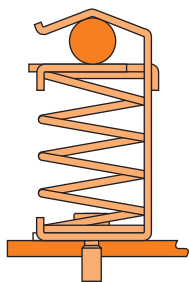
**Ordering data**

Type	Length	Qty.	Order No.
<b>Busbar support</b>			
WSH 4 MT		10	1079900000
SH 4C		10	1340870000
<b>Spacer</b>			
SP M6 15 MSZN	15 mm	2	3896100000
SP M6 20 MSZN	20 mm	2	3896200000
SP M6 30 MSZN	30 mm	2	3896300000



**Note**

Clamping bracket



SCH-1-WB



KLBÜ 3-8 SC



KLBÜ 4-13,5 SC

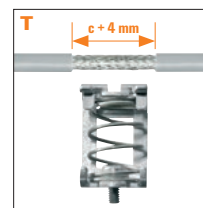
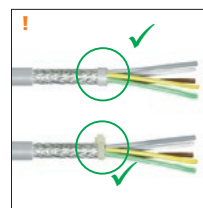
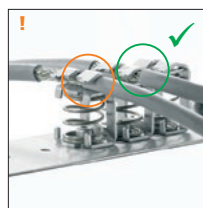
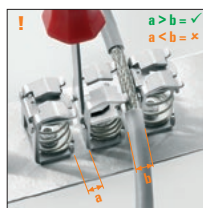
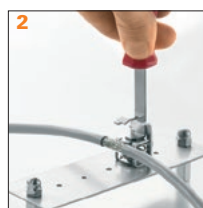
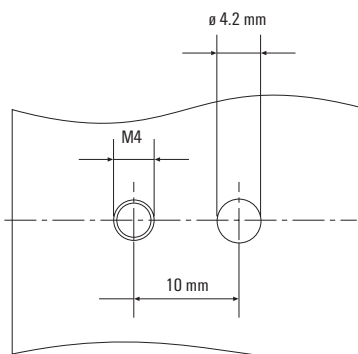


KLBÜ 10-20 SC

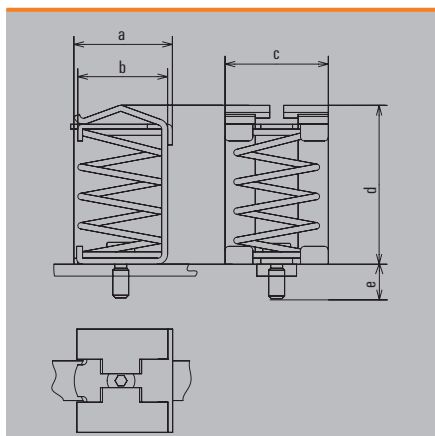


KLBÜ 15-32 SC

Drilling template KLBÜ 15-32 SC



KLBÜ SC



Ordering data

Type	for cable diameters	Length of thread	Dimensions (a x b x c x d) mm	Qty.	Order No.
<b>Clamping bracket</b>					
SCH-1-WINBLOC				5	1739890000
KLBUE 3-8 SC	3...8 mm	5.65 mm	14.5 / / 18.5 / 26	10	1692261001
KLBUE 4-13.5 SC	4...13.5 mm	5.3 mm	20.1 / / 22 / 31.45	10	1712311001
KLBUE 10-20 SC	10...20 mm	5.3 mm	23.6 / / 26 / 40	10	1712321001
KLBUE 15-32 SC	15...32 mm	4.8 mm	33.25 / / 32 / 63.9	10	1718341001
<b>Self-tapping screw</b>					
KLBUE 3-8 SDSC	3...8 mm		14.4 / / 18 / 25.9	10	1835840000

Type	Qty.	Order No.
<b>Operating tool</b>		
BTWZ KLBUE	1	1742630000

Note



**Shielding and earthing**  
**Shield clamping saddle**

**FM 4-foot / Clamping bracket holder**

**FM 4 foot**

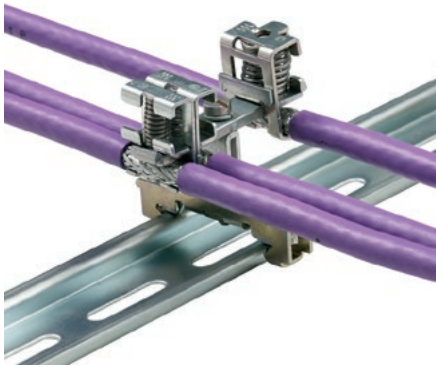


KLBÜ SC-type clamping brackets (see previous page) are screwed on to the **FM 4foot**



**KLBÜ 4-13.5 FM4**

**Clamping bracket holder**



**BS 35 II (without KLBÜ)**



**BS 35 II / KLBÜ 3-8**



**BS 35 II / KLBÜ 3-8 / 2 x 2-6**

**FM 4 / BS 35 II**

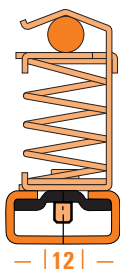
**Ordering data**

Type	for cable diameters	Qty.	Order No.
<b>FM 4 foot</b>			
FM 4/TS35		40	<b>0687900000</b>
<b>Clamping bracket fitted with FM 4 foot</b>			
KLBUE 3-8 FM4	3...8 mm	10	<b>1252530000</b>
KLBUE 4-13.5 FM4	4...13.5 mm	10	<b>1252520000</b>
KLBUE 10-20 FM4	10...20 mm	10	<b>1252510000</b>
KLBUE 15-32 FM4	15...32 mm	10	<b>1252490000</b>
<b>Clamping bracket holder</b>			
BS 35II KLBUE HOLDER		10	<b>1723800000</b>
BS 35II KLBUE3-8	3...8 mm	10	<b>1723810000</b>
BS 35II/KLBUE 4-13.5	4...13.5 mm	10	<b>1723820000</b>
BS 35II KLBUE3-8/2X2-6	3...8 mm	10	<b>1749430000</b>
BS 35II KLBUE2X3-8/2X2-6	3...8 mm	10	<b>1768020000</b>

**Note**



Clamping bracket



— | 12 | —



KLBÜ 3-8 CPF



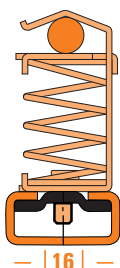
KLBÜ 4-13,5 CPF



KLBÜ 10-20 CPF



KLBÜ 15-32 CPF



— | 16 | —



KLBUE 3-8 CPF



KLBUE 4-13,5 CPF



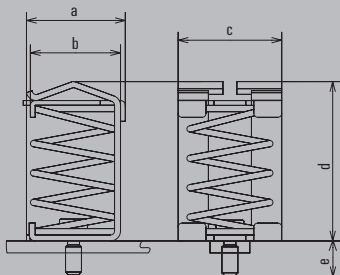
KLBUE 10-20 CPF



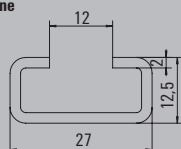
KLBUE 15-32 CPF

KLBÜ CPF

Klemmbügel



C-Schiene



Ordering data

Type	for cable diameters	Dimensions (a x b x c x d) mm	Qty.	Order No.
<b>Type for 12 mm profile</b>				
KLBUE 3-8 CPF	3...8 mm	14.5 / 13.5 / 18 / 26	10	1752681001
KLBUE 4-13.5 CPF	4...13.5 mm	20.5 / 19 / 22 / 31.5	10	1752691001
KLBUE 10-20 CPF	10...20 mm	24 / 22.5 / 26 / 39.5	10	1752701001
KLBUE 15-32 CPF	15...32 mm	33.5 / 32 / 64	10	1752711001
<b>Type for 16 mm profile</b>				
KLBUE 4-13.5 CPF16	4...13.5 mm	20.1 / 18.9 / 22 / 31.45	10	1167850000
KLBUE 10-20 CPF16	10...20 mm	25 / 24 / 26 / 39.5	10	1252550000
KLBUE 15-32 CPF16	15...32 mm	34.5 / 33.5 / 32 / 64	10	1252540000

Type	Qty.	Order No.
<b>C-rail</b> TS 27X12.5M/ST/F.ZN	2	1802690000

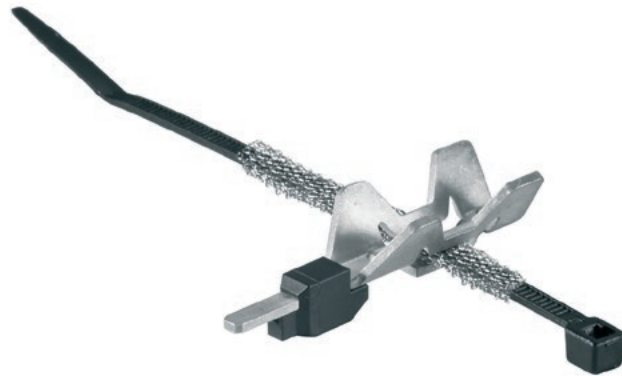
Note

## Shielding and earthing Shield clamping saddle

### Shielding solutions for direct connection

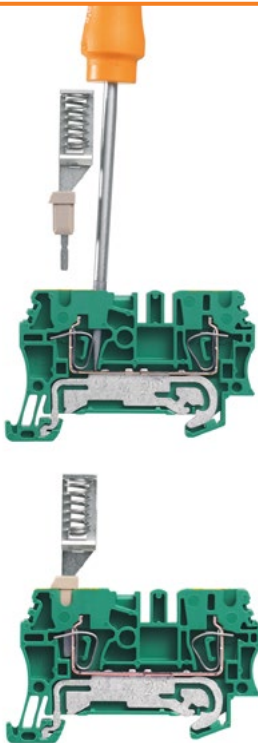


KLBÜ 4-6 Z/1



EMC-Set

## KLBÜ



### Ordering data

Type	for cable diameters	Qty.	Order No.
Type for 12 mm profile			
KLBUE 4-6 Z/1	4...6 mm	10	2269800000

#### Note

suitable for Z series 2.5 mm<sup>2</sup>



### KLBUE 10-20 RC TS 27

Clamping bracket



### KLBUE 4-13.5 RC TS 27

Clamping bracket



Width/Height/Depth	mm
--------------------	----

39.6 x 67.5 x 63.6	
--------------------	--

37.5 x 67.5 x 55.6	
--------------------	--

#### Technical data

<b>Rated data</b>
Rated voltage
<b>Conductors to be clamped:</b>
Cable diameter, min.
Cable diameter, max.
<b>General data</b>
Continuous operating temp., min.
Continuous operating temp., max.
UL 94 flammability rating
Colour
Material
Component 1
Component 2
Installation advice
<b>Note</b>

230 VAC
10 mm
20 mm
-25 °C
105 °C
V-0
Black, Silver grey
PA 66 GF 30
Resistance 1 MΩ
Capacitor 100 nF
Direct mounting
<b>Note</b>

230 VAC
4 mm
13.5 mm
-25 °C
105 °C
V-0
Black, Silver grey
PA 66 GF 30
Resistance 1 MΩ
Capacitor 100 nF
Direct mounting
<b>Note</b>

#### Ordering data

<b>Version</b>	for shield connection with high-pass filter
<b>Note</b>	

Type	Qty.	Order No.
KLBUE 10-20 RC TS27	1	1403050000

Type	Qty.	Order No.
KLBUE 4-13.5 RC TS27	1	1403060000

#### Accessories

<b>Terminal rail</b>	
<b>Identification systems</b>	
<b>Operating tool</b>	
<b>Screwdriver</b>	Standard
<b>C-rail</b>	

Type	current	Qty.	Order No.
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
SDS 0.6X3.5X100		1	9008330000
TS 27X12.5M/ST/F.ZN		2	1802690000

Type	current	Qty.	Order No.
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
SDS 0.6X3.5X100		1	9008330000
TS 27X12.5M/ST/F.ZN		2	1802690000

For detailed information on other accessories and application in the online catalogue



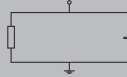
**KLBUE 3-8 RC TS 35**

Clamping bracket



Width/Height/Depth mm

35 x 67.5 x 50



**KLBUE 3-8 RC TS 27**

Clamping bracket



35 x 67.5 x 50



**Technical data**

<b>Rated data</b>
Rated voltage
<b>Conductors to be clamped:</b>
Cable diameter, min.
Cable diameter, max.
<b>General data</b>
Continuous operating temp., min.
Continuous operating temp., max.
UL 94 flammability rating
Colour
Material
Component 1
Component 2
Installation advice
<b>Note</b>

230 VAC
3 mm
8 mm
-25 °C
105 °C
V-0
Black, Silver grey
PA 66 GF 30
Resistance 1 MΩ
Capacitor 100 nF
Direct mounting

230 VAC
3 mm
8 mm
-25 °C
105 °C
V-0
Black, Silver grey
PA 66 GF 30
Resistance 1 MΩ
Capacitor 100 nF
Direct mounting

**Ordering data**

<b>Version</b>
for shield connection with high-pass filter
<b>Note</b>

Type	Qty.	Order No.
KLBUE 3-8 RC TS35	1	1402830000

Type	Qty.	Order No.
KLBUE 3-8 RC TS27	1	1403070000

**Accessories**

<b>Terminal rail</b>	
<b>Identification systems</b>	
<b>Operating tool</b>	
<b>Tools</b>	
<b>Screwdriver</b>	
C-rail	Standard

Type	current	Qty.	Order No.
TS 35X7.5 2M/ST/ZN		2	0383400000
TS 35X7.5/LL 2M/ST/ZN		2	0514500000
TS 35X15/LL 2M/ST/ZN		2	0236500000
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
IS 4 KG		1	1806660000
SDS 0.6X3.5X100		1	9008330000

Type	current	Qty.	Order No.
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
IS 4 KG		1	1806660000
SDS 0.6X3.5X100		1	9008330000
TS 27X12.5M/ST/F.ZN		2	1802690000

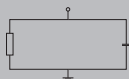
For detailed information on other accessories and application in the online catalogue

**KLBUE 10-20 RC TS 35**

Clamping bracket



39.6 x 67.5 x 63.6



230 VAC

10 mm

20 mm

-25 °C

105 °C

V-0

Black, Silver grey

PA 66 GF 30

Resistance 1 MΩ

Capacitor 100 nF

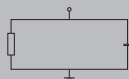
Direct mounting

**KLBUE 4-13.5 RC TS 35**

Clamping bracket



37.5 x 67.5 x 55.6



230 VAC

4 mm

13.5 mm

-25 °C

105 °C

V-0

Black, Silver grey

PA 66 GF 30

Resistance 1 MΩ

Capacitor 100 nF

Direct mounting

Type	Qty.	Order No.
KLBUE 10-20 RC TS35	1	1403080000

Type	Qty.	Order No.
KLBUE 4-13.5 RC TS35	1	1403090000

Type	current	Qty.	Order No.
TS 35X7.5 2M/ST/ZN		2	0383400000
TS 35X7.5/LL 2M/ST/ZN		2	0514500000
TS 35X15/LL 2M/ST/ZN		2	0236500000
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
IS 4 KG		1	1806660000
SDS 0.6X3.5X100		1	9008330000

Type	current	Qty.	Order No.
TS 35X7.5 2M/ST/ZN		2	0383400000
TS 35X7.5/LL 2M/ST/ZN		2	0514500000
TS 35X15/LL 2M/ST/ZN		2	0236500000
SM 27/8 K MC NE WS		80	1812630000
BTWZ KLBUE		1	1742630000
IS 4 KG		1	1806660000
SDS 0.6X3.5X100		1	9008330000



**Shielding and earthing**  
**Tension clamp connection**



**ZTR 6-2 E**

**6 mm<sup>2</sup>**

**Operation mode**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

16.2 x 70 x 50	
<b>20 / 10</b>	
<b>0.05...10</b>	

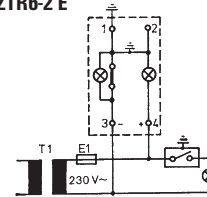
**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
230			
20			
6			
		8 kV / 3	
		A5 / V-0	
CE			
Rated connection			
0.5...10 / 0.5...6			
0.5...6 / 0.5...6			
12 / 0.6 x 3.5 mm			

**Operating mode**

**ZTR6-2 E**

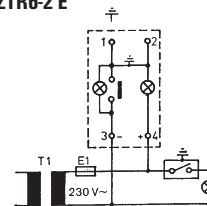


- Slide link is closed
- Auxiliary circuit is **earthed**
- Display is illuminated green

**Test position**

When measuring insulation resistance with voltages greater than  $U_{Nom}$ , the earth connection must first be disconnected.

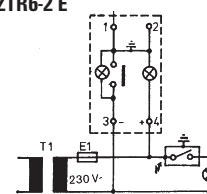
**ZTR6-2 E**



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **No** earth fault
- Display illuminated green and red with reduced intensity
- Disconnected earth connection -> When measuring insulation resistance with voltages greater than  $U_{Nom}$ , the earth connection must be disconnected.

**Operational malfunction**

**ZTR6-2 E**



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **Earth fault**
- Display is illuminated red

For detailed information on other accessories and application in the online catalogue



WTR 35 E

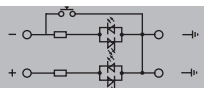
35 mm<sup>2</sup>

Operation mode



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

32 x 100 x 67.5  
**125 / 35**  
**4...35**



### Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-

IEC	UL	CSA	EN 60079-7
125			
35			
		0.8 kV / 3	
		B9 / V-0	
EH			
Rated connection			
4...16 / 10...35			
4...35 / 4...35			
/ (M 6)			
18 / 1.2 x 6.5 mm			

Note

### Ordering data

Version	dark beige, 24 V DC
Note	

Type	Qty.	Order No.
WTR 35 E	5	1045970000

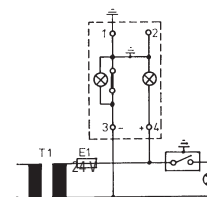
### Accessories

End bracket	dark beige
Screwdriver	Standard
Identification systems	

Type	current	Qty.	Order No.
WEW 35/1		50	1059000000
SDS 1.2X6.5X150		1	9009010000
WS 12/6 MC NE WS		600	1609900000

For detailed information on other accessories and application in the online catalogue

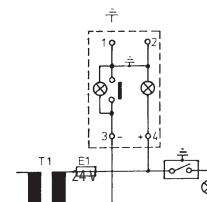
### Operating mode



- Slide link is closed
- Auxiliary circuit is **earthed**
- Display is illuminated green

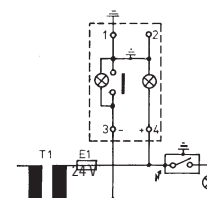
### Test position

When measuring insulation resistance with voltages greater than  $U_{Nom}$ , the earth connection must first be disconnected.



- Slide link is opened
- Auxiliary circuit is **not earthed**
- **No** earth fault
- Display illuminated green and red with reduced intensity
- Disconnected earth connection -> When measuring insulation resistance with voltages greater than  $U_{Nom}$ , the earth connection must be disconnected.

### Operational malfunction

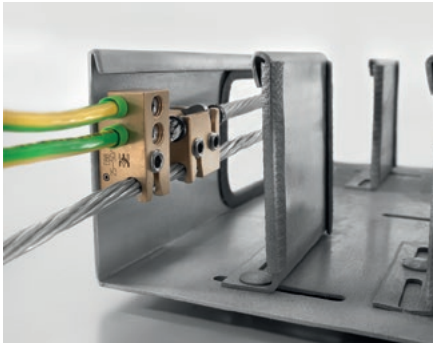


- Slide link is opened
- Auxiliary circuit is **not earthed**
- **Earth fault**
- Display is illuminated red



**Shielding and earthing**  
**Screw connection**

**Potential equalisation terminal block**



Low installation height



Additional connection up to 16 mm<sup>2</sup>



Good visibility of the clamping screws

**B**

**Technical data**

Connection direction	on side
Tightening torque, min.	5 Nm
Clamping screw	M 6
Connection cross-section, flexible, min. / max.	10...50 mm <sup>2</sup>

**Note**

**Ordering data**

Type	Stripping length	Number of connections	Conductor min. / max.	Qty.	Order No.
<b>Screw connection</b>					
JB 25-50	33	2	10...50	10	1547500000
EBB 25-50/16	20	3	16 / 10...50	10	1547490000

Type	Description of article	Qty.	Order No.
SK WSD-S 1,5-10,0	Screwing tool	1	9008850000

**Note**



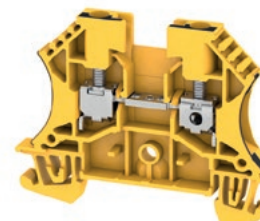
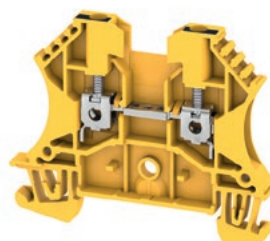


WDU 2.5

2.5 mm<sup>2</sup>

WDU 4

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 46.5	
<b>32 / 4</b>	
<b>0.05...4</b>	

6.1 x 60 x 46.5	
<b>41 / 6</b>	
<b>0.13...6</b>	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
Note	

IEC 60947-1				Ex e II  II 2 G D	
IEC	UL	CSA	EN 60079-7		
800					
32					
2.5					
			8 kV / 3		
			A3 / V-0		
Rated connection		Further connection			
0.5...4 / 1.5...4					
0.5...4 / 0.5...2.5					
0.4...0.8 Nm / (M 2.5)					
10 / 0.6 x 3.5 mm					
Rated connection		Further connection			
0.5...1.5 / 0.5...1.5					

IEC 60947-1				Ex e II  II 2 G D	
IEC	UL	CSA	EN 60079-7		
800			690		
32			32		
4			4 mm <sup>2</sup>		
			8 kV / 3		
			A4 / V-0		
Rated connection		Further connection			
0.5...6 / 1.5...6					
0.5...6 / 0.5...4					
0.5...1 Nm / (M 3)					
10 / 0.6 x 3.5 mm					
Rated connection		Further connection			
0.5...2.5					
0.5...1.5 / 0.5...1.5					
Note max. current of terminal (41 A) when using WQV!					

Ordering data

Version	yellow/black
Note	

Type	Qty.	Order No.
WDU 2.5 GE/SW	100	2429520000

Type	Qty.	Order No.
WDU 4 GE/SW	100	1020190000
Rated voltage is 400 V when using the ZQV cross-connector		

Accessories

Pluggable cross-connection	
	2-pole
	10-pole
	2-pole
	10-pole
Screwable cross-connection	
	2-pole
	10-pole
End plate / Partition plate	
	dark beige
	Blue
	dark beige
	Blue
End bracket	
	dark beige
Testing / Checking	
	Standard
	With spigot
Cover	
	Blank, yellow
	Blank, white
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5N/2	24 A	60	1527540000
ZQV 2.5N/10	24 A	20	1527690000
WQV 2.5/2	32 A	50	1053660000
WQV 2.5/10	32 A	20	1054460000
WAP 2.5-10	50		1050000000
WAP 2.5-10 BL	50		1050080000
WAP 16+35 WTW 2.5-10	20		1050100000
WAP 16+35 WTW 2.5-10 BL	20		1050180000
WEW 35/2	100		1061200000
WTA 2 WDU2.5-10	25		1632320000
WTA 2/ZA WDU2.5-10	25		1632330000
WAD 5 MC NE GE	48		1112920000
WAD 5 MC NE WS	48		1112910000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/5 MC NE WS	720		1609860000
DEK 5/5 MM WS	800		2007110000
WS 8/5 MM WS	800		2007150000

Type	current	Qty.	Order No.
ZQV 4N/2	32 A	60	1527930000
ZQV 4N/10	32 A	20	1528090000
WQV 4/2	32 A	50	1051960000
WQV 4/10	41 A	20	1052060000
WAP 2.5-10	50		1050000000
WAP 2.5-10 BL	50		1050080000
WAP 16+35 WTW 2.5-10	20		1050100000
WAP 16+35 WTW 2.5-10 BL	20		1050180000
WEW 35/2	100		1061200000
WTA 3 WDU4	25		1632350000
WTA 3/ZA WDU4	25		1632360000
WAD 5 MC NE GE	48		1112920000
WAD 5 MC NE WS	48		1112910000
WS 12/6 MC NE WS	600		1609900000
DEK 5/6 MM WS	600		2007120000
WS 8/6 MM WS	600		2007160000

For detailed information on other accessories and application in the online catalogue

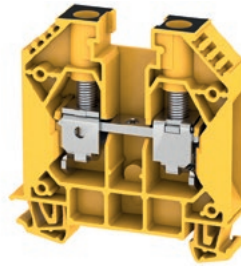
Socket and test plug refer to W-series Accessories section Only 400 V when using the shielding rail LS 2.8 1056400000.

**Shielding and earthing**  
**Screw connection**



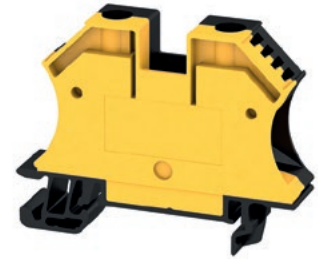
**WDU 16**

**16 mm<sup>2</sup>**



**WDU 16N**

**16 mm<sup>2</sup>**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

11.9 x 60 x 62.5	
<b>101 / 25</b>	
<b>0.82...25</b>	

12 x 60 x 46.5	
<b>101 / 25</b>	
<b>1.5...25</b>	

**Technical data**

<b>Rated data</b>	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
<b>2 conductors with same cross-section (H05V/H07V)</b>	
Solid / Stranded	-
Flexible / Flexible with ferrule	mm <sup>2</sup>
<b>Note</b>	

IEC 60947-7-1	Ex e II		II 2 G D
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
1000			690
76			76
16			16 mm <sup>2</sup>
	8 kV / 3		
	B7 / V-0		
DEMKO14ATEX1338U			
<b>Rated connection</b>		<b>Further connection</b>	
1.5...16 / 1.5...25			
1.5...25 / 1.5...16			
3...4 Nm / (M 5)			
16 / 1.0 x 5.5 mm			
1.5...4 / 1.5...4			

IEC 60947-7-1			
<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
690	600		
76	70		
16	AWG 14...6		
	8 kV / 3		
	B7 / V-0		
<b>Rated connection</b>		<b>Further connection</b>	
1.5...16 / 1.5...25			
1.5...16 / 1.5...16			
1.2...2.4 Nm / (M 4)			
12 / 1.0 x 5.5 mm			

**Ordering data**

<b>Version</b>	yellow/black
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 16 GE/SW	50	2000040000

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
WDU 16N GE/SW	50	2000050000

**Accessories**

<b>Screwable cross-connection</b>	
	2-pole
	3-pole
	4-pole
	10-pole
<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>End bracket</b>	
	dark beige
<b>Cover</b>	
	With lightning flash symbol
	Blank, white
<b>Additional connection</b>	
	4 mm <sup>2</sup>
	10 mm <sup>2</sup>
<b>Identification systems</b>	
<b>Testing / Checking</b>	
	Standard

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 16/2	76 A	50	1053260000
WQV 16/10	76 A	10	1053360000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL.		50	1055960000
WAD 12 NEUTRAL		50	1056260000
DEK 5/5 MC NE WS	1000		1609801044
WS 12/6.5 MC NE WS	540		1609920000

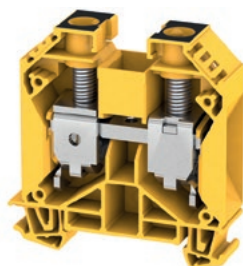
<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
WQV 16N/2	76 A	50	1636560000
WQV 16N/4	76 A	50	1636580000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 12N GE BED		50	1073200000
WAD 12N WS		50	1073290000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/12 MC NE WS	300		1905970000
WTA 2 WDU2.5-10		25	1632320000

For detailed information on other accessories and application in the online catalogue



WDU 35

35 mm<sup>2</sup>



16 x 60 x 62.5  
**150 / 50**  
2.5...50

IEC 60947-7-1				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7				
1000			690				
125			115				
35			35 mm <sup>2</sup>				
				8 kV / 3			
				B8 / V-0			
DEMKO14ATEX1338U							

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...5 Nm / (M 6)	
18 / 6.5 x 1.2 mm	

Type	Qty.	Order No.
WDU 35 GE/SW	40	2000060000

Type	current	Qty.	Order No.
WQV 35/2	135 A	50	1053060000
WQV 35/10	112 A	10	1053160000
WAP 16+35 WTW 2.5-10		20	1050100000
WAP 16+35 WTW 2.5-10 BL		20	1050180000
WEW 35/1		50	1059000000
WAD 12 M.BL		50	1055960000
WAD 12 NEUTRAL		50	1056260000

DEK 5/5 MC NE WS	1000	1609801044
WS 12/6.5 MC NE WS	540	1609920000

WDU 35N

35 mm<sup>2</sup>



16 x 66 x 50.5  
**150 / 50**  
2.5...50

IEC 60947-7-1				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7				
500			352				
125			110				
35			35 mm <sup>2</sup>				
				6 kV / 3			
				B8 / V-0			
DEMKO14ATEX1338U							

Rated connection	Further connection
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...5 Nm / (M 6)	
18 / 6.5 x 1.2 mm	

Type	Qty.	Order No.
WDU 35N GE/SW	20	2000090000

Type	current	Qty.	Order No.
WQV 35N/2	135 A	20	1079200000
WQV 35N/4	101 A	20	1079400000
WTW EN		20	1058800000
WEW 35/2		100	1061200000
WAD 16N GE BED		50	1083600000

DEK 5/5 MC NE WS	1000	1609801044
WS 12/6.5 MC NE WS	540	1609920000

WDU 50N

50 mm<sup>2</sup>



18.5 x 70 x 69.6  
**192 / 70**  
10...70

IEC 60947-7-1				Ex e II  II 2 G D			
IEC	UL	CSA	EN 60079-7				
1000			690				
150			126				
50			50 mm <sup>2</sup>				
				8 kV / 3			
				B10 / V-0			
DEMKO14ATEX1338U							

Rated connection	Further connection
6...16 / 6...70	
10...50 / 6...50	
3.5...6 Nm / (M 6)	
24 / S4 (DIN 6911)	

Type	Qty.	Order No.
WDU 50N GE/SW	10	2000080000

Type	current	Qty.	Order No.
WQV 50N/2	150 A	5	1834060000
WQV 50N/3	150 A	5	1834070000
WQV 50N/4	150 A	5	1834080000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000

WZAD 50N		5	1872720000
DEK 5/5 MC NE WS	1000	1609801044	
WS 12/6.5 MC NE WS	540	1609920000	





WDU 70N/35

70 mm<sup>2</sup>



WDU 95N/120N

120 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

20.5 x 75 x 85	
<b>232 / 95</b>	
<b>16...95</b>	

27 x 91 x 90	
<b>290 / 150</b>	
<b>16...150</b>	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
Solid / Stranded	-
Flexible / Flexible with ferrule	-
Note	

IEC 60947-7-1	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
1000	600		690
192	150		184
70	AWG 6...0		70 mm <sup>2</sup>
8 kV / 3			
B11 / V-0			
	DEMKO14ATEX1338U		
Rated connection	Further connection		
16...16 / 16...95			
16...70 / 16...70			
8...12 Nm / (M 8)			
22 / S6 (DIN 6911)			
Note			

IEC 60947-7-1	Ex e II		II 2 G D
IEC	UL	CSA	EN 60079-7
1000			880
269			221
120			120 mm <sup>2</sup>
8 kV / 3			
B13 / V-0			
CE	DEMKO14ATEX1338U		
Rated connection	Further connection		
16...16 / 16...150			
16...120 / 16...95			
12...20 Nm / (M 10)			
27 / S6 (DIN 6911)			
Note			

Ordering data

Version	yellow/black
Note	

Type	Qty.	Order No.
WDU 70N/35 GE/SW	10	2000100000
Note		

Type	Qty.	Order No.
WDU 95N/120N GE/SW	5	2000110000
Note		

Accessories

Screwable cross-connection	
2-pole	
3-pole	
4-pole	
End bracket	
dark beige	
Cover	
With lightning flash symbol	
Additional connection	
10 mm <sup>2</sup>	
Identification systems	

Type	current	Qty.	Order No.
WQV 70N/2	192 A	5	9512240000
WQV 70N/3	192 A	5	9512250000
WQV 70N/4	192 A	5	9531290000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 70N		5	1964830000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

Type	current	Qty.	Order No.
WQV 95N/120N/2	269 A	5	1826890000
WQV 95N/120N/3	269 A	5	1826900000
WQV 95N/120N/4	269 A	5	1826910000
WEW 35/1		50	1059000000
WAD 20 GE WSD		10	9512260000
WZAD 95N/120N		5	1859580000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/6.5 MC NE WS		540	1609920000

For detailed information on other accessories and application in the online catalogue



# Compact planning, structured wiring

## Klippon® Connect makes your installation wiring more effective



Installation wiring poses particular challenges in terms of the design of terminal blocks. The solutions need to be both economical and compact. Simple handling and clarity also need to be guaranteed. Installation distribution and small distributors offer little space for wiring. Our terminal blocks for building installations meet all requirements here. For example, the PUSH IN technology allows a particularly compact design while retaining its clarity, thus enabling simple and safe wiring of your building infrastructure.

### Our promise

Our terminal blocks open up added-value options when it comes to wiring your building infrastructure. Thanks to the wide product range and the comfortable handling of the PUSH IN terminal blocks, Klippon® Connect helps improve flexibility and efficiency even from the planning phase.

B



**Time saving**

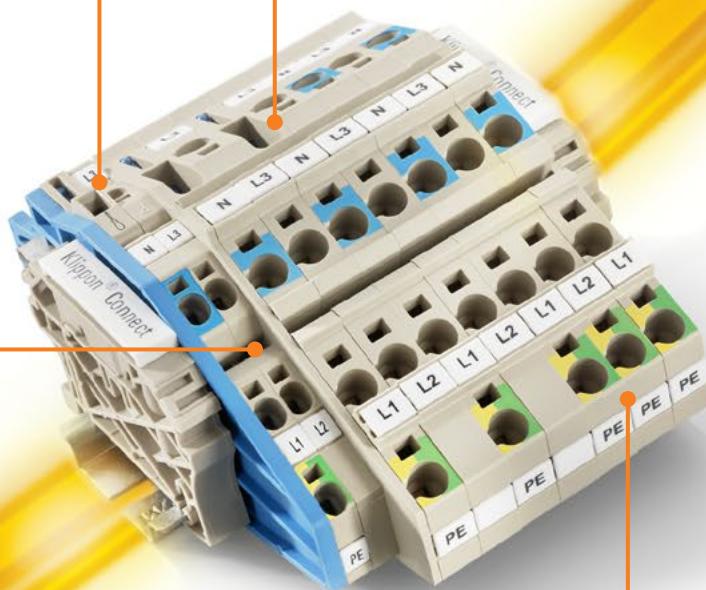
- Simple configuration and ordering of terminal strips using the Weidmüller Configurator
- More flexibility: it is simple to replace the PDL PUSH IN terminal blocks in the group
- The screwless N-separator slides to save time
- Cross-connections possible despite compact design

**Space saving**

- Really compact design of PUSH IN terminal blocks
- Neutral busbars for all terminals at the same level
- Simple handling: asymmetric structure of the PUSH IN terminal blocks enables a neutral conductor to be bypassed

**Flexibility**

- 3-phase cross-connection system with L1, L2 and L3 potentials within a terminal strip
- High current-carrying capacity despite compact size
- Thanks to the disconnecter slider, insulation can be tested without disconnecting the neutral connector

**Safety**

- Quick and safe: protection against accidental actuation
- PE contact foot with automatic contacting via terminal rail
- Single power circuit separation acc. to VDE 0100/718
- In compliance with VDE 0100/0810 wiring and connection requirements for distribution systems in public buildings

**Our range****The right solution for every requirement:**

For building installation, we offer a perfectly tailored overall system based on 10×3 copper rails. These consist of installation, distribution and neutral conductor terminals in various connection technologies and an extensive range of accessories.

**More effective wiring with PUSH IN:**

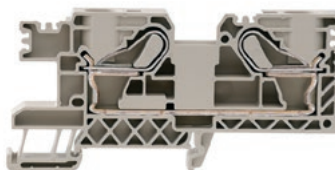
Our PUSH IN terminal blocks for building and plant installation are impressively easy to handle and very flexible. This comprehensive range covers all the important terminal block functions and offers you significant benefits in all processes. You will benefit from reduced installation times, as well as increased performance data and clarity, thanks to the compact design.





PDU 16S

16 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.1 x 96.5 x 47.5
/ 16
2.5...16

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

IEC	UL	CSA	EN 60079-7
800			
76			
16			
	8 kV / 3		
	B6 / V-0		
EH			
Rated connection			
2.5...16			
2.5...16 / 2.5...16			
18 / 1.0 x 5.5 mm			

**Note**

### Ordering data

Version	dark beige
	blue
Note	

Type	Qty.	Order No.
PDU 16S	25	1139580000
PDU 16S BL	25	2062900000

### Accessories

Pluggable cross-connection	2-pole
End plate / Partition plate	dark beige
End bracket	dark beige
Screwdriver	Standard
Cover	With lightning flash symbol
Identification systems	

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
PAP PDU16S		10	1139910000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
PAD 16/4		80	1916170000
WS 12/8 PLUS MC NE WS		420	1906000000

For detailed information on other accessories and application in the online catalogue

PPE 16S

16 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

12.1 x 96.5 x 47.5
/ 16
2.5...16

**Technical data**

<b>Rated data</b>	
for wire cross-section	mm <sup>2</sup>
Rated voltage to adjoining terminal	V
Rated impulse withstand voltage to adjacent terminal	kV
Rated short-time current	
Pollution severity	
UL 94 flammability rating	
Approvals	
<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Blade size	

IEC 60947-7-2

<b>IEC</b>	<b>UL</b>	<b>CSA</b>	<b>EN 60079-7</b>
16			
800			
8			
1920 A (16 mm <sup>2</sup> )			
3			
V-0			

ERE

<b>Rated connection</b>	
2.5...16	
2.5...16 / 2.5...16	
1.0 x 5.5 mm	

**Note**

**Ordering data**

<b>Version</b>	green/yellow
<b>Note</b>	

<b>Type</b>	<b>Qty.</b>	<b>Order No.</b>
PPE 16S	10	1139570000

**Accessories**

<b>Pluggable cross-connection</b>	2-pole
<b>End plate / Partition plate</b>	dark beige
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	Standard
<b>Cover</b>	With lightning flash symbol
<b>Identification systems</b>	

<b>Type</b>	<b>current</b>	<b>Qty.</b>	<b>Order No.</b>
ZQV 16/2	76 A	25	1739690000
PAP PDU16S		10	1139910000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
PAD 16/4		80	1916170000
WS 10/12 MC NE WS		300	1905970000

For detailed information on other accessories and application in the online catalogue



## Building installation wiring PUSH IN connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-

**Note**

### Ordering data

Version	
	blue

**Note**

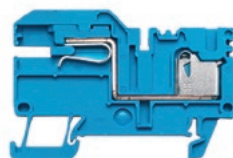
### Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
Support bracket for 10 x 3 (required every 20 cm)	
	Blue
	For a vertical installation position
End bracket	
	dark beige
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
Identification systems	

For detailed information on other accessories and application in the online catalogue

## PNT 2.5/4

4 mm<sup>2</sup>



5.1 x 63.5 x 47.75  
/ 6  
**0.08...6**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
32			
4			
	4 kV / 3		
	A3 / V-0		

CE

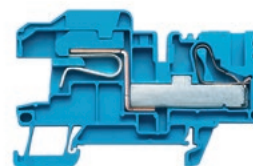
Rated connection	
0.5...6	
2.5...4 / 0.5...4	
...1.5	
12 / 3.0 x 0.5 mm	

Type	Qty.	Order No.
PNT 2.5/4	50	<b>1896360000</b>

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZQV 2.5/20	24 A	20	<b>1908960000</b>
PHP PNT 2.5/4		20	<b>1896390000</b>
PHP PNT 2.5/4 SO		20	<b>1916790000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZF 4 S BL		50	<b>1814660000</b>
ZB 16K BL		50	<b>0502880000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 10/5 MC NE WS		720	<b>1635000000</b>

## PNT 6/10

10 mm<sup>2</sup>



8.1 x 72.5 x 46  
/ 10  
**1.5...10**



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
41			
10			
	8 kV / 3		
	A4 / V-0		

CE

Rated connection	
1.5...6	
1.5...10 / 1.5...10	
14 / 0.6 x 3.5 mm	

Type	Qty.	Order No.
PNT 6/10	25	<b>1896370000</b>

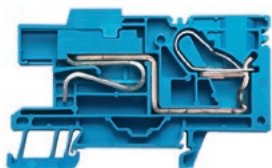
Type	current	Qty.	Order No.
ZQV 6N/2		60	<b>1906210000</b>
ZQV 6N/3		60	<b>1906220000</b>
ZQV 6N/4		60	<b>1906230000</b>
ZQV 6N/20		20	<b>1906240000</b>
PHP PNT 6/10		10	<b>1896100000</b>
PHP PNT 6/10 SO		10	<b>1919710000</b>
ZEW 35		20	<b>9540000000</b>
SDS 0.5X3.0X80		1	<b>9008320000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZF 4 S BL		50	<b>1814660000</b>
ZB 16K BL		50	<b>0502880000</b>
ZB 35/M6X16		20	<b>0266500000</b>
WS 10/8 PLUS MC NE WS		420	<b>1905950000</b>

For detailed information on other accessories and application in the online catalogue



**PNT 16**

**16 mm<sup>2</sup>**



12.1 x 80.5 x 49.5  
 / 16  
 2.5...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
76			
16			
	8 kV / 3		
	B6 / V-0		

CE III

**Rated connection**

2.5...16  
 2.5...16 / 2.5...16

18 / 1.0 x 5.5 mm

Type	Qty.	Order No.
PNT 16	10	1896350000

Type	current	Qty.	Order No.
PHP PNT16		10	1896380000
PHP PNT16 SO		10	1919690000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16K BL		50	0502880000
ZB 35/M6X16		20	0266500000
WS 10/12 MC NE WS		300	1905970000



**Building installation wiring**  
**PUSH IN connection**



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

<b>Rated data</b>	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	

<b>Clamped conductors (H05V/H07V)</b>	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

<b>Version</b>	
	dark beige
	without isolator, dark beige

**Note**

**Accessories**

<b>Pluggable cross-connection</b>	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole

**End plate / Partition plate**

**End bracket**

**Screwdriver**

**Holder for cartridge fuse 5 x 20 mm**

400 V AC/DC, without LED  
10 - 36 V AC/DC, red LED  
140 - 250 V AC/DC, red LED

**Module connector (max. 250 V)**

without fittings  
with wire jumper  
With 1N4007 diode

**Disconnect plug**

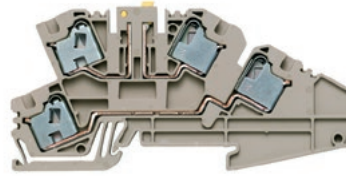
removable, as replacement for release lever

**Identification systems**

**PDL 4/TR/DU**

**4 mm<sup>2</sup>**

With isolator



5.1 x 100 x 48.5	
/ 4	
<b>0.08...4</b>	

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	150	300	
20	17	20	
4	AWG 28...10	AWG 28...10	
4 kV / 3			
A3 / V-0			

<b>Rated connection</b>	
0.5...4 / 1.5...4	
0.5...4 / 0.5...4	
0.5...1.5	
12 / 3.0 x 0.5 mm	

Type	Qty.	Order No.
PDL 4/TR/DU	50	<b>1899190000</b>

Without isolator: PDL 4 TR/DU 0 TNHE  
Order no.: 1899210000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZQV 2.5/20	24 A	20	<b>1908960000</b>

PAP PDL4

ZEW 35/2

SDS 0.5X3.0X80

SIHA 3/G20

SIHA 3/G20/LD 10-36V

SIHA 3/G20/LD 140-250V

BEST

BEST/DRBR

BEST/D

TNST

DEK 5/5 MC NE WS

WS 10/5 MC NE WS

**PDL 4/TR/DU/PE**

**4 mm<sup>2</sup>**

With isolator



5.1 x 100 x 48.5	
/ 4	
<b>0.08...4</b>	

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
400	300	300	
20	17	20	
4	AWG 28...10	AWG 28...10	
4 kV / 3			
A3 / V-0			

<b>Rated connection</b>	
0.5...4 / 1.5...4	
0.5...4 / 0.5...4	
0.5...1.5	
12 / 3.0 x 0.5 mm	

Type	Qty.	Order No.
PDL 4/TR/DU/PE	50	<b>1899200000</b>

Without isolator: PDL 4 TR/DU/PE 0 TNHE  
Order no.: 1899220000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
ZQV 2.5/20	24 A	20	<b>1908960000</b>

PAP PDL4

ZEW 35/2

SDS 0.5X3.0X80

SIHA 3/G20

SIHA 3/G20/LD 10-36V

SIHA 3/G20/LD 140-250V

BEST

BEST/DRBR

BEST/D

TNST

DEK 5/5 MC NE WS

WS 10/5 MC NE WS

For detailed information on other accessories and application in the online catalogue

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

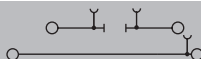


**PDL 4/TR/DU 0 TNHE**

4 mm<sup>2</sup>



5.1 x 100 x 48.5  
/ 4  
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	150	300	
20	17	6.3	
4	AWG 28...10	AWG 28...10	
4 kV / 3			
A3 / V-0			

CE

**Rated connection**

Solid / Stranded	mm <sup>2</sup>	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...4 / 0.5...4
Twin wire-end ferrule	mm <sup>2</sup>	0.5...1.5
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm

Width/Height/Depth	mm	
max. current / max. cond. cross-section	-/mm <sup>2</sup>	
Max. clamping range	mm <sup>2</sup>	

**Technical data**

Rated data	
Rated voltage of feed-through terminal	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	

**Approvals**

**Clamped conductors (H05V/H07V)**

Solid / Stranded	mm <sup>2</sup>	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...4 / 0.5...4
Twin wire-end ferrule	mm <sup>2</sup>	0.5...1.5
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm

**Note**

**Ordering data**

Version	
	dark beige
	without isolator, dark beige

**Note**

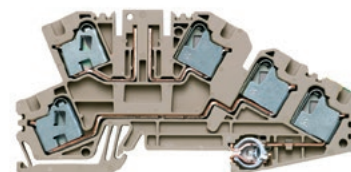
**Accessories**

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / Partition plate	
	dark beige
End bracket	
	dark beige
Screwdriver	
	Standard
Holder for cartridge fuse 5 x 20 mm	
	400 V AC/DC, without LED
	10 - 36 V AC/DC, red LED
	140 - 250 V AC/DC, red LED
Module connector (max. 250 V)	
	without fittings
	with wire jumper
	With 1N4007 diode
Disconnect plug	
	removable, as replacement for release lever
Identification systems	

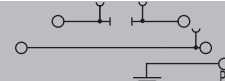
For detailed information on other accessories and application in the online catalogue

**PDL 4/TR/DU/PE 0 TNHE**

4 mm<sup>2</sup>



5.1 x 100 x 48.5  
/ 4  
0.08...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
400	300	300	
20	17	6.3	
4	AWG 28...10	AWG 28...10	
4 kV / 3			
A3 / V-0			

CE

**Rated connection**

Solid / Stranded	mm <sup>2</sup>	0.5...4 / 1.5...4
Flexible / Flexible with ferrule	mm <sup>2</sup>	0.5...4 / 0.5...4
Twin wire-end ferrule	mm <sup>2</sup>	0.5...1.5
Stripping length / Blade size	mm/-	12 / 3.0 x 0.5 mm

**Note**

Type	Qty.	Order No.
PDL 4/TR/DU/PE 0.TNHE	50	1899220000

... without isolating lever. Suitable for fuse holder SIHA 3 with G-fuse, for component plug BEST and for disconnect plug TNST.

Type	Qty.	Order No.
PDL 4/TR/DU 0.TNHE	50	1899210000

... without isolating lever. Suitable for fuse holder SIHA 3 with G-fuse, for component plug BEST and for disconnect plug TNST.

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
<b>End plate / Partition plate</b>			
PAP PDL4		20	1883210000
<b>End bracket</b>			
ZEW 35/2		20	8630740000
<b>Screwdriver</b>			
SDS 0.5X3.0X80		1	9008320000
<b>Holder for cartridge fuse 5 x 20 mm</b>			
SIHA 3/G20		25	7921560000
SIHA 3/G20/LD 10-36V		25	7921570000
SIHA 3/G20/LD 140-250V		25	7921600000
<b>Module connector (max. 250 V)</b>			
BEST		50	1833100000
BEST/DRBR		50	1878570000
BEST/D		50	1878560000
<b>Disconnect plug</b>			
TNST		50	1833090000
<b>Identification systems</b>			
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

Detailed information for working with twin ferrules can be found in the P Series Accessories section.

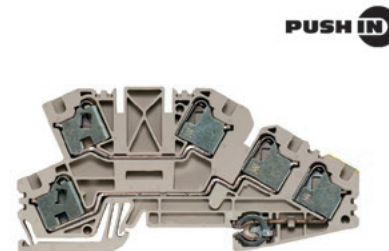
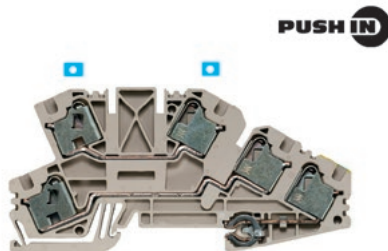


PDL 4 N/L/PE

4 mm<sup>2</sup>

PDL 4 L/L/PE

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

5.1 x 100 x 48.35	
/ 4	
0.08...4	

5.1 x 100 x 48.5	
/ 4	
0.08...4	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
<b>Note</b>	

IEC	UL	CSA	EN 60079-7
400	300	300	
32	17	20	
4	AWG 28...10	AWG 28...10	
6 kV / 3			
A3 / V-0			
CE CB e-PA IEC ILL RL			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...4			
0.5...1.5			
12 / 3.0 x 0.5 mm			
<b>Note</b>			

IEC	UL	CSA	EN 60079-7
400	300	300	
32	17	20	
4	AWG 28...10	AWG 28...10	
6 kV / 3			
A3 / V-0			
CE CB e-PA IEC ILL RL			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...4			
0.5...1.5			
12 / 3.0 x 0.5 mm			
<b>Note</b>			

Ordering data

Version	dark beige
<b>Note</b>	

Type	Qty.	Order No.
PDL 4/N/L/PE	50	1899180000
<b>Note</b>		

Type	Qty.	Order No.
PDL 4/L/L/PE	50	1882610000
<b>Note</b>		

Accessories

Pluggable cross-connection	
2-pole	
3-pole	
4-pole	
10-pole	
End plate / Partition plate	
dark beige	
End bracket	
dark beige	
Screwdriver	
Standard	
Identification systems	

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044
<b>Note</b>			

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044
<b>Note</b>			

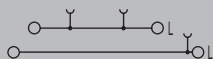
For detailed information on other accessories and application in the online catalogue

PDL 4 L/L

4 mm<sup>2</sup>



5.1 x 100 x 48.5  
/ 4  
0.08...4



IEC	UL	CSA	EN 60079-7
400	150	300	
32	17	20	
4	AWG 28...10	AWG 28...10	
6 kV / 3			
A3 / V-0			



Rated connection

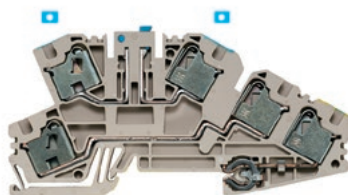
0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4/L/L	50	1882590000

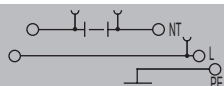
Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044

PDL 4 NT/L/PE

4 mm<sup>2</sup>



5.1 x 100 x 48.35  
/ 4  
0.08...4



IEC	UL	CSA	EN 60079-7
400	300	300	
20	17	20	
4	AWG 28...10	AWG 28...10	
6 kV / 3			
A3 / V-0			



Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4/NT/L/PE	50	1882620000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044

PDL 4 NT/L

4 mm<sup>2</sup>



5.1 x 100 x 48.35  
/ 4  
0.08...4



IEC	UL	CSA	EN 60079-7
400	150	300	
20	17	20	
4	AWG 28...10	AWG 28...10	
6 kV / 3			
A3 / V-0			



Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4/NT/L	50	1882600000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4		20	1883210000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
DEK 5/5 MC NE WS		1000	1609801044



## Building installation wiring PUSH IN connection



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

### Ordering data

Version	dark beige
Note	

### Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	Blue
	For a vertical installation position
End bracket	
	dark beige
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
Identification systems	

### PDL 4 S/L

4 mm<sup>2</sup>



5.1 x 100 x 48
<b>36 / 4</b>
<b>0.08...4</b>

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

CE

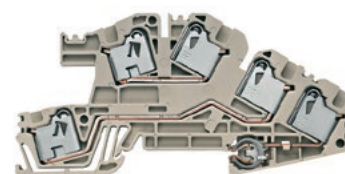
Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...4	
0.5...1.5	
12 / 3.0 x 0.5 mm	

Type	Qty.	Order No.
PDL 4 S/L	50	<b>1847610000</b>

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PDL4S		20	<b>1837070000</b>
PHP PDL		20	<b>1837090000</b>
PHP PDL SO		20	<b>1837080000</b>
ZEW 35/2		20	<b>8630740000</b>
SDIS 0.4X2.5X75		1	<b>9008370000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZF 4 S BL		50	<b>1814660000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

### PDL 4 S/N/L/PE

4 mm<sup>2</sup>



5.1 x 100 x 48
<b>36 / 4</b>
<b>0.08...4</b>

IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

CE

Rated connection	
0.5...4 / 1.5...4	
0.5...4 / 0.5...4	
0.5...1.5	
12 / 3.0 x 0.5 mm	

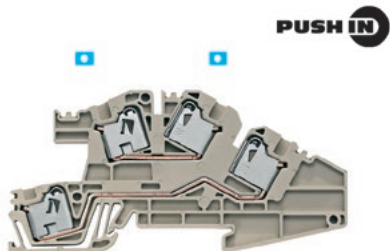
Type	Qty.	Order No.
PDL 4 S/N/L/PE	50	<b>1837050000</b>

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PDL4S		20	<b>1837070000</b>
PHP PDL		20	<b>1837090000</b>
PHP PDL SO		20	<b>1837080000</b>
ZEW 35/2		20	<b>8630740000</b>
SDIS 0.4X2.5X75		1	<b>9008370000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZF 4 S BL		50	<b>1814660000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>

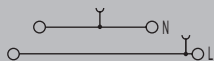
For detailed information on other accessories and application in the online catalogue

PDL 4 S/N/L

4 mm<sup>2</sup>



5.1 x 100 x 48  
36 / 4  
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 kV / 3			
A3 / V-0			

CE

Rated connection

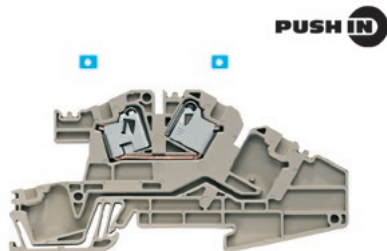
0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4 S/N/L	50	1847630000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4S		20	1837070000
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044

PDL 4 S/N

4 mm<sup>2</sup>



5.1 x 100 x 48  
36 / 4  
0.08...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
6 kV / 3			
A3 / V-0			

CE

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...4  
0.5...1.5  
12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4 S/N	50	1847620000

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4S		20	1837070000
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044



**Building installation wiring**  
**PUSH IN connection**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

**Ordering data**

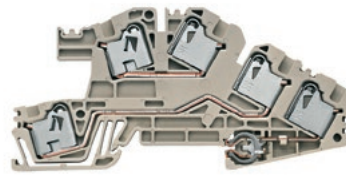
Version	dark beige
Note	

**Accessories**

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
End plate / Partition plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	Blue
	For a vertical installation position
End bracket	
	dark beige
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
Identification systems	

**PDL 4 S/L/L/PE**

4 mm<sup>2</sup>



5.1 x 100 x 48	
<b>36 / 4</b>	
<b>0.08...4</b>	

IEC 60947-7-1 (-7-2)

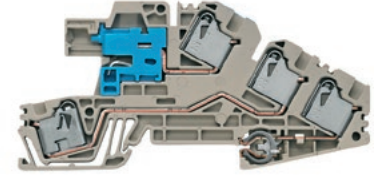
IEC	UL	CSA	EN 60079-7
400			
32			
4			
		6 kV / 3	
		A3 / V-0	
CE			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...4			
0.5...1.5			
12 / 3.0 x 0.5 mm			
Note			

Type	Qty.	Order No.
PDL 4 S/L/L/PE	50	1837040000
Note		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4S		20	1837070000
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044

**PDL 4 S/NT/L/PE**

4 mm<sup>2</sup>



5.1 x 100 x 48	
<b>36 / 4</b>	
<b>0.08...4</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
		6 kV / 3	
		A3 / V-0	
CE			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...4			
0.5...1.5			
12 / 3.0 x 0.5 mm			
Note			

Type	Qty.	Order No.
PDL 4 S/NT/L/PE	50	1837060000
Note		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
PAP PDL4S		20	1837070000
PHP PDL		20	1837090000
PHP PDL SO		20	1837080000
ZEW 35/2		20	8630740000
SDIS 0.4X2.5X75		1	9008370000
SSCH 10X3X1000 CU/SN		1	0348900000
ZF 4 S BL		50	1814660000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044

For detailed information on other accessories and application in the online catalogue



**PDL 4 S/L/L**

**4 mm<sup>2</sup>**



5.1 x 100 x 48  
**36 / 4**  
**0.08...4**



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
		6 kV / 3	
		A3 / V-0	

CE

**Rated connection**

0.5...4 / 1.5...4

0.5...4 / 0.5...4

0.5...1.5

12 / 3.0 x 0.5 mm

Type	Qty.	Order No.
PDL 4 S/L/L	50	<b>1837030000</b>

Type	current	Qty.	Order No.
ZQV 2.5/2		60	<b>1608860000</b>
ZQV 2.5/3	24 A	60	<b>1608870000</b>
ZQV 2.5/4	24 A	60	<b>1608880000</b>
ZQV 2.5/10	24 A	20	<b>1608940000</b>
PAP PDL4S		20	<b>1837070000</b>
PHP PDL		20	<b>1837090000</b>
PHP PDL SO		20	<b>1837080000</b>
ZEW 35/2		20	<b>8630740000</b>
SDIS 0.4X2.5X75		1	<b>9008370000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZF 4 S BL		50	<b>1814660000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>



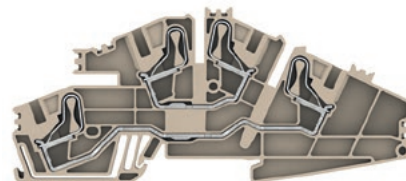
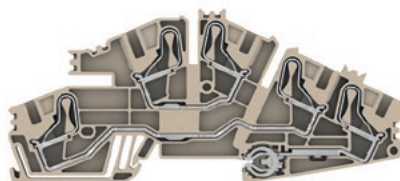


PDL 6 S/L/L/PE

6 mm<sup>2</sup>

PDL 6 S/L/L

6 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

8.1 x 118.5 x 52.5	
/ 6	
1.5...6	

8.1 x 118.5 x 52.5	
/ 6	
1.5...6	

Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Stripping length / Blade size	mm/-
Note	

IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 kV / 3		
	/V-0		
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...6			
14 /			
Note			

IEC	UL	CSA	EN 60079-7
400			
41			
6			
	6 kV / 3		
	/V-0		
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...6			
14 /			
Note			

Ordering data

Version
Note

Type	Qty.	Order No.
PDL 6 S/L/L/PE	25	1411330000
Note		

Type	Qty.	Order No.
PDL 6 S/L/L	25	1411310000
Note		

Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	20-/24-pole
	32-pole
End plate	
	dark beige
Support bracket	
	blue
End bracket	
	black
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm

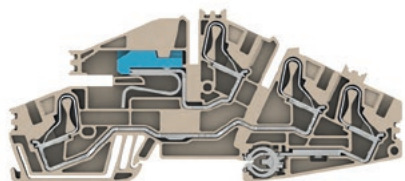
Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZQV 6/32 GE	41 A	10	1733640000
PAP PDL6S		20	1411200000
PHP PDL6S SO		20	1411350000
ZEW 35/2 SW		20	1162610000
SDIS 0.5X3.0X100		1	9008380000
SSCH 10X3X1000 CU/SN		1	0348900000

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZQV 6/32 GE	41 A	10	1733640000
PAP PDL6S		20	1411200000
PHP PDL6S SO		20	1411350000
ZEW 35/2 SW		20	1162610000
SDIS 0.5X3.0X100		1	9008380000
SSCH 10X3X1000 CU/SN		1	0348900000

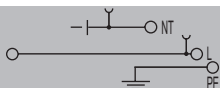
For detailed information on other accessories and application in the online catalogue

PDL 6 S/NT/L/PE

6 mm<sup>2</sup>



8.1 x 118.5 x 52.5  
/ 6  
1.5...6



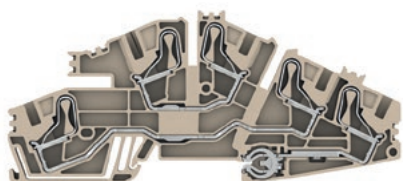
IEC	UL	CSA	EN 60079-7
400			
39			
6			
6 kV / 3 / V-0			
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...6			
14 /			

Type	Qty.	Order No.
PDL 6 S/NT/L/PE	25	1411320000

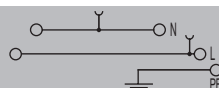
Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZQV 6/32 GE	41 A	10	1733640000
PAP PDL6S		20	1411200000
PHP PDL6S SO		20	1411350000
ZEW 35/2 SW		20	1162610000
SDIS 0.5X3.0X100		1	9008380000
SSCH 10X3X1000 CU/SN		1	0348900000

PDL 6 S/N/L/PE

6 mm<sup>2</sup>



8.1 x 118.5 x 52.5  
/ 6  
1.5...6



IEC	UL	CSA	EN 60079-7
400			
41			
6			
6 kV / 3 / V-0			
Rated connection			
1.5...6 / 1.5...6			
1.5...6 / 1.5...6			
14 /			

Type	Qty.	Order No.
PDL 6 S/N/L/PE	25	1411340000

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZQV 6/32 GE	41 A	10	1733640000
PAP PDL6S		20	1411200000
PHP PDL6S SO		20	1411350000
ZEW 35/2 SW		20	1162610000
SDIS 0.5X3.0X100		1	9008380000
SSCH 10X3X1000 CU/SN		1	0348900000





Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

### Ordering data

Version	
	dark beige
	blue
Note	

### Accessories

Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / Partition plate	
	dark beige
	Blue
Support bracket for 10 x 3 (required every 20 cm)	
	Blue
	For a vertical installation position
End bracket	
	dark beige
Screwdriver	
	Standard
Identification systems	

### ZDU 2.5 S

2.5 mm<sup>2</sup>

Two connections



5.1 x 61 x 43.15
24 / 4
0.5...4

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
24			
2.5			
	6 kV / 3		
	A2 / V-0		

CE

Rated connection	
0.5...4	
0.5...4 / 0.5...2.5	
10 / 0.6 x 3.5 mm	
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).	

### ZDU 4 S

4 mm<sup>2</sup>

Two connections



6.1 x 64.2 x 45.5
32 / 6
0.5...6

IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
32			
4			
	6 kV / 3		
	A3 / V-0		

CE

Rated connection	
0.5...6	
0.5...4 / 0.5...4	
10 / 0.6 x 3.5 mm	
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).	

Type	Qty.	Order No.
ZDU 2.5 S	100	1808010000
ZDU 2.5 S BL	100	1808020000
The distance from holding plate to holding plate should be 200 mm.		

Type	Qty.	Order No.
ZDU 4 S	100	1808360000
ZDU 4 S BL	100	1808370000
The distance from holding plate to holding plate should be 200 mm.		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
ZAP ZDU 2.5 S			
		20	1808030000
ZAP ZDU 2.5 S BL			
		20	1808040000
ZHP S			
		20	1808290000
ZHP S SO			
		20	1808280000
ZEW 35			
		20	9540000000
SDIS SL 1.0X5.5X125			
		1	1274680000
DEK 5/5 MC NE WS			
		1000	1609801044
WS 10/5 MC NE WS			
		720	1635000000

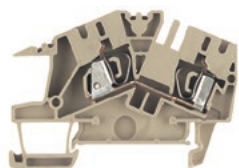
Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
ZQV 4/20 GE	32 A	20	1909010000
ZAP ZDU 4 S			
		20	1808380000
ZAP ZDU 4 S BL			
		20	1808390000
ZHP S			
		20	1808290000
ZHP S SO			
		20	1808280000
ZEW 35			
		20	9540000000
SDIS SL 0.6X3.5X100			
		1	1274660000
DEK 5/5 MC NE WS			
		1000	1609801044
WS 10/6 MC NE WS			
		600	1828450000

For detailed information on other accessories and application in the online catalogue

ZDU 6S

6 mm<sup>2</sup>

Two connections



8.1 x 64.35 x 49.2  
41 / 10  
0.5...10



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400			
41			
6			
6 kV / 3			
A5 / V-0			

CE

Rated connection

0.5...10  
0.5...10 / 0.5...6

12 / 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 6 S	100	1808230000
ZDU 6 S BL	100	1808240000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZAP ZDU 6 S		20	1808250000
ZAP ZDU 6 S BL		20	1808260000
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35		20	9540000000
SDIS SL 0.8X4.0X100		1	1274670000
DEK 5/8 MC NE WS		800	1856740000
WS 10/6 MC NE WS		600	1828450000

ZDU 10/S

10 mm<sup>2</sup>

Two connections



10 x 86.5 x 48  
76 / 16  
1.3...16



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
57	60	55	
10	AWG 16...6	AWG 16...6	
6 kV / 3			
A6 / V-0			

CE

Rated connection

1.5...16 / 1.5...16  
1.5...10 / 1.5...10

18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 10S	25	1739540000
ZDU 10S BL	25	1739550000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 10/2		25	1739680000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044

ZDU 16/S

16 mm<sup>2</sup>

Two connections



12 x 95 x 48  
76 / 25  
1.5...25



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
76	65	65	
16	AWG 14...4	AWG 14...4	
6 kV / 3			
A7 / V-0			

CE

Rated connection

1.5...16 / 16...25  
1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 16S	25	1739580000
ZDU 16S BL	25	1739590000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044





Width/Height/Depth	mm
max. current / max. cond. cross-section	-/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage	V
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

### Ordering data

Version	green/yellow
Note	

### Accessories

End plate / Partition plate	dark beige
Support bracket for 10 x 3 (required every 20 cm)	Blue For a vertical installation position
End bracket	dark beige
Screwdriver	Standard
Identification systems	

### ZPE 2.5 S

2.5 mm<sup>2</sup>

Two connections



5.1 x 62.5 x 43.15	
/ 4	
0.5...4	

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
2.5			
6 kV		/ 3	
A2 / V-0			
C E EMC			
Rated connection			
0.5...4			
0.5...4 / 0.5...2.5			
10		/ 0.6 x 3.5 mm	
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Type	Qty.	Order No.
ZPE 2.5 S	100	1808330000
The distance from holding plate to holding plate should be 200 mm.		

Type	current	Qty.	Order No.
ZAP ZDU 2.5 S		20	1808030000
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/5 MC NE WS	1000		1609801044
WS 10/5 MC NE WS	720		1635000000

### ZPE 4 S

4 mm<sup>2</sup>

Two connections



6.1 x 65.5 x 45.5	
/ 6	
0.5...6	

IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
4			
6 kV		/ 3	
A3 / V-0			
C E EMC			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10		/ 0.6 x 3.5 mm	
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Type	Qty.	Order No.
ZPE 4 S	100	1808340000
The distance from holding plate to holding plate should be 200 mm.		

Type	current	Qty.	Order No.
ZAP ZDU 4 S		20	1808380000
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/6 MC NE WS	1000		1609820000
WS 10/6 MC NE WS	600		1828450000

For detailed information on other accessories and application in the online catalogue

ZPE 6 S

6 mm<sup>2</sup>

Two connections



8.1 x 65.5 x 49.2  
/ 10  
0.5...10



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
6			
6 kV		/3	
A5 / V-0			

CE UK

Rated connection

0.5...10  
0.5...10 / 0.5...6

12 / 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZPE 6 S	100	1808350000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZAP ZDU 6 S		20	1808250000
ZHP S		20	1808290000
ZHP S SD		20	1808280000
ZEW 35		20	9540000000
SDIS SL 0.6X3.5X100		1	1274660000
DEK 5/8 MC NE WS		800	1856740000
WS 10/6 MC NE WS		600	1828450000

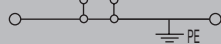
ZPE 10/S

10 mm<sup>2</sup>

Two connections



10 x 86.5 x 48  
/ 16  
1.3...16



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
10	AWG 16...6	AWG 16...6	
6 kV		/3	
A6 / V-0			

CE UK

Rated connection

1.5...16 / 1.5...16  
1.5...10 / 1.5...10

18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZPE 10S	25	1739570000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS		720	1635000000

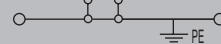
ZPE 16/S

16 mm<sup>2</sup>

Two connections



12 x 95 x 48  
/ 25  
1.5...25



IEC 60947-7-2

IEC	UL	CSA	EN 60079-7
400			
16	AWG 14...6	AWG 14...4	
6 kV		/3	
A7 / V-0			

CE UK

Rated connection

1.5...16 / 16...25  
1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

To ensure the current-carrying capacity of the mounting rail, it is necessary to use the TS 35 x 15.

Type	Qty.	Order No.
ZPE 16S	25	1739610000

The distance from holding plate to holding plate should be 200 mm.

Type	current	Qty.	Order No.
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
DEK 5/5 MC NE WS		1000	1609801044





Width/Height/Depth	mm
max. current / max. cond. cross-section	A/mm <sup>2</sup>
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage	V
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Twin wire-end ferrule	-
Stripping length / Blade size	mm/-
Note	

**Ordering data**

Version	dark beige blue
Note	

**Accessories**

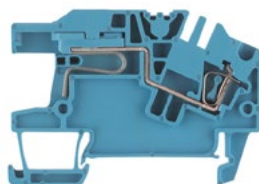
Pluggable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End plate / Partition plate	
	dark beige
	Blue
Support bracket for 10 x 3 (required every 20 cm)	
	Blue
	For a vertical installation position
End bracket	
	dark beige
Screwdriver	
	Standard
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
Identification systems	

For detailed information on other accessories and application in the online catalogue

**ZNT 2.5 S**

2.5 mm<sup>2</sup>

Two connections



5.1 x 62.5 x 43.15	
<b>24 / 4</b>	
<b>0.5...4</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
250			
24			
2.5			
		4 kV / 3	
		A2 / V-0	
CE			
Rated connection			
0.5...4			
0.5...4 / 0.5...2.5			
10 / 0.6 x 3.5 mm			
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

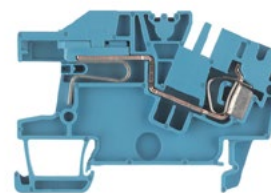
Type	Qty.	Order No.
ZNT 2.5 S	100	1808300000
Spacing between mounting plates should be 200mm.		

Type	current	Qty.	Order No.
ZQV 2.5/2		60	1608860000
ZQV 2.5/3	24 A	60	1608870000
ZQV 2.5/4	24 A	60	1608880000
ZQV 2.5/10	24 A	20	1608940000
ZQV 2.5/20	24 A	20	1908960000
ZAP ZDU 2.5 S			
ZAP ZDU 2.5 S		20	1808030000
ZAP ZDU 2.5 S BL		20	1808040000
ZHP S			
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35			
ZEW 35		20	9540000000
SDS 0.6X3.5X100			
SDS 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN			
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4K BL			
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502880000
ZB 35K BL M6X16		20	0502680000
DEK 5/5 MC NE WS			
DEK 5/5 MC NE WS		1000	1609801044
WS 10/5 MC NE WS			
WS 10/5 MC NE WS		720	1635000000

**ZNT 4 S**

4 mm<sup>2</sup>

Two connections



6.1 x 65.5 x 45.5	
<b>32 / 6</b>	
<b>0.5...6</b>	

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
250			
32			
4			
		4 kV / 3	
		A3 / V-0	
CE			
Rated connection			
0.5...6			
0.5...4 / 0.5...4			
10 / 0.6 x 3.5 mm			
The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).			

Type	Qty.	Order No.
ZNT 4 S	100	1808310000
Spacing between mounting plates should be 200mm.		

Type	current	Qty.	Order No.
ZQV 4/2 GE	32 A	60	1608950000
ZQV 4/3 GE	32 A	60	1608960000
ZQV 4/4 GE	32 A	60	1608970000
ZQV 4/10 GE	32 A	20	1609030000
ZQV 4/20 GE	32 A	20	1909010000
ZAP ZDU 4 S			
ZAP ZDU 4 S		20	1808380000
ZAP ZDU 4 S BL		20	1808390000
ZHP S			
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35			
ZEW 35		20	9540000000
SDS 0.6X3.5X100			
SDS 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN			
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4K BL			
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502880000
ZB 35K BL M6X16		20	0502680000
DEK 5/6 MC NE WS			
DEK 5/6 MC NE WS		1000	1609820000
WS 10/6 MC NE WS			
WS 10/6 MC NE WS		600	1828450000

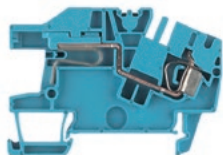
For detailed information on other accessories and application in the online catalogue



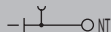
ZNT 6 S

6 mm<sup>2</sup>

Two connections



8.1 x 64.35 x 49.2  
41 / 10  
0.5...10



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
41			
6			
4 kV / 3			
A5 / V-0			

CE

**Rated connection**

0.5...10

0.5...10 / 0.5...6

12 / 0.6 x 3.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZNT 6 S	50	1808320000
The distance from holding plate to holding plate should be 200 mm.		

Type	current	Qty.	Order No.
ZQV 6/2 GE	41 A	60	1627850000
ZQV 6/3 GE	41 A	60	1627860000
ZQV 6/4 GE	41 A	60	1627870000
ZQV 6/24 GE	41 A	10	1908990000
ZAP ZDU 6 S		20	1808250000
ZAP ZDU 6 S BL		20	1808260000
ZHP S		20	1808290000
ZHP S SO		20	1808280000
ZEW 35		20	9540000000
SDIS SL 0.8X4.0X100		1	1274670000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502880000
ZB 35K BL M6X16		20	0502680000
DEK 5/8 MC NE WS		800	1856740000
WS 10/6 MC NE WS		600	1828450000

ZNT 10 S

10 mm<sup>2</sup>

Two connections



10 x 86.5 x 49.5  
/ 16  
1.3...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
57	55	55	
10	AWG 16...6	AWG 16...6	
6 kV / 3			
A6 / V-0			

CE

**Rated connection**

1.5...16 / 1.5...16

1.5...10 / 1.5...10

18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZNT 10S	25	1739560000
The distance from holding plate to holding plate should be 200 mm.		

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502880000
ZB 35K BL M6X16		20	0502680000
DEK 5/5 MC NE WS		1000	1609801044

ZNT 16/S

16 mm<sup>2</sup>

Two connections



12 x 95 x 49.5  
76 / 25  
1.5...25



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
400	600	300	
76	58	65	
16	AWG 14...4	AWG 14...4	
6 kV / 3			
A7 / V-0			

CE

**Rated connection**

1.5...16 / 16...25

1.5...16 / 1.5...16

18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZNT 16S	25	1739600000
The distance from holding plate to holding plate should be 200 mm.		

Type	current	Qty.	Order No.
ZQV 16/2	76 A	25	1739690000
ZAP ZDU10/16S		20	1739660000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502880000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044





ZDU 10 NT

10 mm<sup>2</sup>

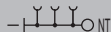
Modified busbar position



10 x 86.5 x 49.5

57 / 16

1.5...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
250			
57			
10			
	4 kV / 3		
	A6 / V-0		

CE III

Rated connection

1.5...10 / 1.5...16

1.5...10 / 1.5...10

18 / 1.0 x 5.5 mm

The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

Type	Qty.	Order No.
ZDU 10/NT	25	1762420000

Use only in connection with ZDU 2.5, ZDU 2.5/3 AN, ZDU 4, ZDU 6 and their PE variants.

Type	current	Qty.	Order No.
ZQV 10/2		25	1739680000
ZAP ZDU10/16S		20	1739660000
ZHP ZDU4/NT SO		20	1803890000
ZEW 35		20	9540000000
SDIS SL 1.0X5.5X125		1	1274680000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4K BL		50	0475380000
ZB 16K BL		50	0502880000
ZB 35K BL M6X16		20	0502680000
DEK 5/6 MC NE WS		1000	1609820000
WS 12/5 MC NE WS		720	1609860000



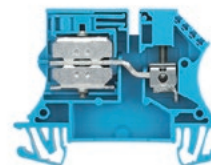
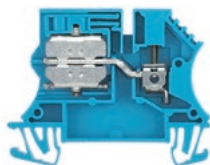


WNT 2.5

2.5 mm<sup>2</sup>

WNT 4

4 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

5.1 x 60 x 46.5	
<b>32 / 4</b>	NT
<b>0.13...4</b>	

6.1 x 60 x 46.5	
<b>41 / 6</b>	NT
<b>0.13...6</b>	

Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-
Note	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
24	25	20	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			
CE CB IEC UL CSA NEMA N			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
10 / 0.6 x 3.5 mm			
Tightening torque, N-isolator 0.4..0.6 Nm			

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
32	35	25	
4	AWG 26...10	AWG 26...10	
6 kV / 3			
A4 / V-0			
CE CB IEC UL CSA NEMA N			
Rated connection			
0.5...6 / 1.5...6			
0.5...6 / 0.5...4			
0.5...1 Nm / (M 3)			
10 / 0.6 x 3.5 mm			
Tightening torque, N-isolator 0.4..0.8 Nm			

Ordering data

Version	dark beige
	blue
Note	

Type	Qty.	Order No.
WNT 2.5 10X3 BE	100	1010600000
WNT 2.5 10X3	100	1010680000
2.5 mm <sup>2</sup> conductor with ferrule with plastic collar, with collar optimised for diameter only (order No. 1333100000, QTY 500).		

Type	Qty.	Order No.
WNT 4 10X3	100	1010780000

Accessories

End plate / Partition plate	
	dark beige
	Blue
Support bracket for 10 x 3 (required every 20 cm)	
	Blue
End bracket	
	dark beige
Screwdriver	
	With "swifty set" cutting device
	Standard
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
Identification systems	

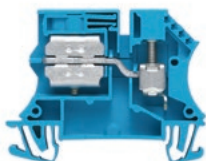
Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

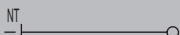
For detailed information on other accessories and application in the online catalogue

WNT 6

6 mm<sup>2</sup>



7.9 x 60 x 46.5  
57 / 10  
0.5...10



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
41	45	35	
6	AWG 20...8	AWG 26...8	
6 kV / 3			
A5 / V-0			

CE ENEC RAL UL

Rated connection

0.5...10 / 1.5...10  
0.5...10 / 0.5...6  
0.8...1.2 Nm / (M 3.5)

12 / 4.0 x 0.8 mm

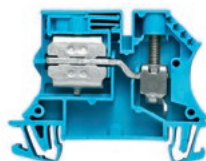
Tightening torque, N-isolator 0.8...1.6 Nm

Type	Qty.	Order No.
WNT 6 10X3	50	1010880000

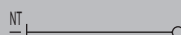
Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

WNT 10

10 mm<sup>2</sup>



9.9 x 60 x 46.5  
76 / 16  
1.31...16



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	600	600	
57	60	50	
10	AWG 16...8	AWG 16...6	
6 kV / 3			
B6 / V-0			

CE ENEC RAL UL

Rated connection

1.5...16 / 1.5...16  
1.5...16 / 1.5...16  
1.2...2 Nm / (M 4)

12 / 1.0 x 5.5 mm

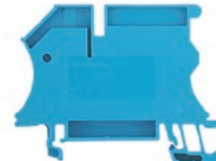
Tightening torque, N-isolator 0.8...1.6 Nm. AWG 6/7 and H07V-R25 conductors require a tightening torque of 1.5 Nm.

Type	Qty.	Order No.
WNT 10 10X3 BE	50	1010900000
WNT 10 10X3	50	1010980000

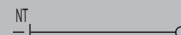
Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000

WNT 16N

16 mm<sup>2</sup>



12 x 60 x 46.5  
101 / 25  
1.5...25



In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
76	65	65	
16	AWG 14...6	AWG 14...6	
6 kV / 3			
B7 / V-0			

CE ENEC RAL UL

Rated connection

1.5...16 / 1.5...25  
1.5...16 / 1.5...16  
1.2...2 Nm / (M 4)

12 / 1.0 x 5.5 mm

Tightening torque, N-isolator 0.8...1.6 Nm. AWG 6/7 and H07V-R25 conductors require a tightening torque of 1.5 Nm.

Type	Qty.	Order No.
WNT 16N 10X3	50	1019000000

Type	current	Qty.	Order No.
WAP 2.5-10		50	1050000000
WAP 2.5-10 BL		50	1050080000
WHP 2.5-35N/10x3 BL		20	1050280000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDS 0.6X3.5X100		1	9008330000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 12/5 MC NE WS		720	1609860000





Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

### Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	
Stripping length / Blade size	mm/-

#### Note

### Ordering data

Version	
	dark beige
	blue
Note	

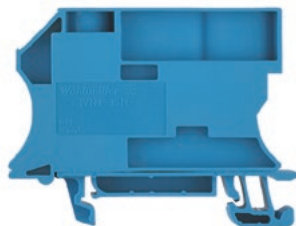
### Accessories

<b>End plate / Partition plate</b>	
	dark beige
	Blue
<b>Support bracket for 10 x 3 (required every 20 cm)</b>	Blue
<b>End bracket</b>	dark beige
<b>Screwdriver</b>	With "swifty set" cutting device
	Standard
<b>Busbar 10 x 3 (140 A)</b>	Ok, busbar up to Ok, TS 35 = 25.5 mm
<b>Clamping yoke for power supply to 10 x 3 busbars</b>	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
<b>Identification systems</b>	

### WNT 35N

35 mm<sup>2</sup>

Compact design



16 x 66 x 50.5	
<b>140 / 50</b>	NT
<b>2.5...50</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
125			
35			
		6 kV / 3	
		B8 / V-0	

CE

Rated connection	
2.5...16 / 2.5...50	
2.5...35 / 2.5...35	
4...5 Nm / (M 6)	
18 / 6.5 x 1.2 mm	

The tightening torque for 16 - 50 mm<sup>2</sup> stranded conductors is 4.5 Nm. Tightening torque for N-isolator: 1.2...2.4 Nm

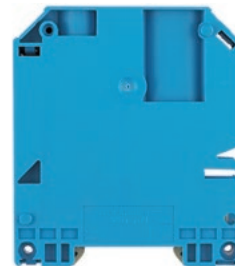
Type	Qty.	Order No.
WNT 35N 10X3	20	<b>1718550000</b>

Type	current	Qty.	Order No.
WAP 2.5-10		50	<b>1050000000</b>
WAP 2.5-10 BL		50	<b>1050080000</b>
WHP 2.5-35N/10x3 BL		20	<b>1050280000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZB 4		50	<b>0316500000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

### WNT 70N

70 mm<sup>2</sup>

Compact design



20.5 x 75 x 85	
<b>140 / 95</b>	NT
<b>10...95</b>	

In accordance with IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
140	600		
70	175		
	AWG 6...0		
		6 kV / 3	
		B11 / V-0	

CE

Rated connection	
10...16 / 10...95	
10...70 / 10...70	
6...12 Nm / (M 8)	
22 / S6 (DIN 6911)	

Tightening torque, N-isolator 2.5...5.0 Nm

Type	Qty.	Order No.
WNT 70N/35	10	<b>9512210000</b>

Type	current	Qty.	Order No.
WAP 2.5-10		50	<b>1050000000</b>
WAP 2.5-10 BL		50	<b>1050080000</b>
WHP 2.5-35N/10x3 BL		20	<b>1050280000</b>
WEW 35/2		100	<b>1061200000</b>
SWIFTY SET		1	<b>9006060000</b>
SDS 0.6X3.5X100		1	<b>9008330000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZB 4		50	<b>0316500000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 12/5 MC NE WS		720	<b>1609860000</b>

For detailed information on other accessories and application in the online catalogue

Refer to the "W-series Accessories" section for PEN bridges.



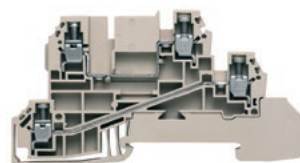
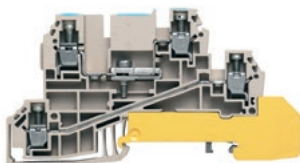


WDL 2.5/NT/L/PE

2.5 mm<sup>2</sup>

WDL 2.5/L/L

2.5 mm<sup>2</sup>



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

6.1 x 90 x 48	
32 / 4	
0.13...4	

6.1 x 90 x 48	
32 / 4	
0.13...4	

Technical data

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-
Note	

IEC 60947-7-1 (-7-2)			
IEC	UL	CSA	EN 60079-7
24	300	300	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3, A4 / V-0			
CE			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
8 / 0.6 x 3.5 mm			
Further connection refers to clamping point at top left (A4) 2-conductor, 1.5 mm <sup>2</sup> , solid, with 0.6 Nm			

IEC 60947-7-1			
IEC	UL	CSA	EN 60079-7
24	300	300	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3, A4 / V-0			
CE			
Rated connection			
0.5...4 / 1.5...4			
0.5...4 / 0.5...2.5			
0.4...0.6 Nm / (M 2.5)			
8 / 0.6 x 3.5 mm			
Further connection refers to clamping point at top left (A4) 2-conductor, 1.5 mm <sup>2</sup> , solid, with 0.6 Nm			

Ordering data

Version	dark beige
Note	

Type	Qty.	Order No.
WDL 2.5/NT/L/PE	50	1029800000
PE connection is marked green-yellow		

Type	Qty.	Order No.
WDL 2.5/L/L	50	1030300000
WDL 2.5/N/L Order no. 1030000000 (upper connection is marked blue).		

Accessories

Screwable cross-connection	
2-pole	
3-pole	
4-pole	
10-pole	
20-/24-pole	
End plate / Partition plate	
dark beige	
Support bracket for 10 x 3 (required every 20 cm)	
dark beige	
End bracket	
dark beige	
Screwdriver	
With "swifty set" cutting device	
Standard	
Identification systems	

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WAP WDL2.5 20 1067800000			
WHP WDL2.5/S BL 20 1067980000			
WEW 35/2 100 1061200000			
SWIFTY SET 1 9006060000			
SDIS 0.6X3.5X100 1 9008390000			
DEK 5/5 MC NE WS 1000 1609801044			
WS 8/5 MC NE WS 720 1640740000			

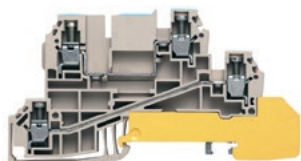
Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WAP WDL2.5 20 1067800000			
WHP WDL2.5/S BL 20 1067980000			
WEW 35/2 100 1061200000			
SWIFTY SET 1 9006060000			
SDIS 0.6X3.5X100 1 9008390000			
DEK 5/5 MC NE WS 1000 1609801044			
WS 8/5 MC NE WS 720 1640740000			

For detailed information on other accessories and application in the online catalogue

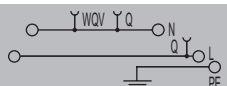


WDL 2.5/N/L/PE

2.5 mm<sup>2</sup>



6.1 x 90 x 48  
32 / 4  
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3, A4 / V-0			

CE ENEC NRTL

Rated connection

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

0.4...0.6 Nm / (M 2.5)

8 / 0.6 x 3.5 mm

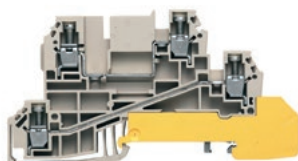
Further connection refers to clamping point at top left (A4)  
2-conductor, 1.5 mm<sup>2</sup>, solid, with 0.6 Nm

Type	Qty.	Order No.
WDL 2.5/N/L/PE	50	1029900000
PE connection is marked green-yellow		

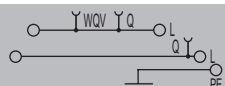
Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WAP WDL2.5		20	1067800000
WHP WDL2.5/S BL		20	1067980000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDIS 0.6X3.5X100		1	9008390000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

WDL 2.5/L/L/PE

2.5 mm<sup>2</sup>



6.1 x 90 x 48  
32 / 4  
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3, A4 / V-0			

CE ENEC NRTL

Rated connection

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

0.4...0.6 Nm / (M 2.5)

8 / 0.6 x 3.5 mm

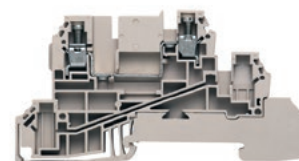
Further connection refers to clamping point at top left (A4)  
2-conductor, 1.5 mm<sup>2</sup>, solid, with 0.6 Nm

Type	Qty.	Order No.
WDL 2.5/L/L/PE	50	1030200000
PE connection is marked green-yellow		

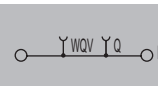
Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WAP WDL2.5		20	1067800000
WHP WDL2.5/S BL		20	1067980000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDIS 0.6X3.5X100		1	9008390000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

WDL 2.5/L

2.5 mm<sup>2</sup>



6.1 x 90 x 48  
32 / 4  
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3, A4 / V-0			

CE ENEC NRTL

Rated connection

0.5...4 / 1.5...4

0.5...4 / 0.5...2.5

0.4...0.6 Nm / (M 2.5)

8 / 0.6 x 3.5 mm

Further connection refers to clamping point at top left (A4)  
2-conductor, 1.5 mm<sup>2</sup>, solid, with 0.6 Nm

Type	Qty.	Order No.
WDL 2.5/L	50	1030400000
WDL 2.5/S/N Order no. 1030900000 (connection marked blue).		

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WAP WDL2.5		20	1067800000
WHP WDL2.5/S BL		20	1067980000
WEW 35/2		100	1061200000
SWIFTY SET		1	9006060000
SDIS 0.6X3.5X100		1	9008390000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000



**Building installation wiring**  
**Screw connection**



Width/Height/Depth	mm
max. current / max. cond. cross-section	A
Max. clamping range	mm <sup>2</sup>

**Technical data**

Rated data	
Rated voltage to adjoining terminal	-
Rated current	A
for wire cross-section	mm <sup>2</sup>
Rated impulse withstand voltage / Pollution severity	
Gauge to IEC 60947-1 / UL 94 flammability rating	
Approvals	
Clamped conductors (H05V/H07V)	
Solid / Stranded	mm <sup>2</sup>
Flexible / Flexible with ferrule	mm <sup>2</sup>
Tightening torque (clamping screw for copper conductors)	-
Tightening torque (separating screw)	-
Stripping length / Blade size	mm/-

**Note**

**Ordering data**

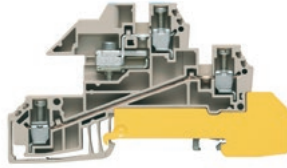
Version	dark beige
<b>Note</b>	

**Accessories**

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	20-/24-pole
End bracket	
	dark beige
End plate / Partition plate	
	dark beige
Support bracket for 10 x 3 (required every 20 cm)	
	dark beige
Busbar 10 x 3 (140 A)	
	Ok, busbar up to Ok, TS 35 = 25.5 mm
Clamping yoke for power supply to 10 x 3 busbars	
	Rigid / flexible 0.5 - 6 / 4 mm <sup>2</sup>
	Rigid / flexible 6 - 16 mm <sup>2</sup>
	Flexible 16 - 35 mm <sup>2</sup>
Identification systems	

**WDL 2.5/S/NT/L/PE**

**2.5 mm<sup>2</sup>**



6.1 x 84.5 x 48	
<b>32 / 4</b>	
<b>0.13...4</b>	

In accordance with IEC 60947-1

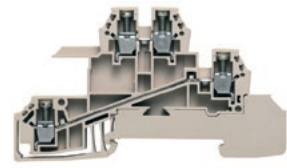
IEC	UL	CSA	EN 60079-7
24	300	300	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE CB CB N N

Rated connection	
	0.5...4 / 1.5...4
	0.5...4 / 0.5...2.5
	0.4...0.6 Nm / (M 2.5)
	8 / 0.6 x 3.5 mm
Rated voltage L-PE and L-NT 250 V. Tightening torque for isolator 0.4...0.6 Nm	

**WDL 2.5/S/L/L**

**2.5 mm<sup>2</sup>**



6.1 x 84.5 x 48	
<b>32 / 4</b>	
<b>0.13...4</b>	

IEC 60947-1

IEC	UL	CSA	EN 60079-7
24	300	300	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE CB CB N N

Rated connection	
	0.5...4 / 1.5...4
	0.5...4 / 0.5...2.5
	0.4...0.6 Nm / (M 2.5)
	8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDL 2.5/S/NT/L/PE	50	<b>1030600000</b>
PPE connection marked green/yellow, three-phase circuit together with WDL 2.5/S/L/L		

Type	Qty.	Order No.
WDL 2.5/S/L/L	50	<b>1031200000</b>
WDL 2.5/S/N/L Order no. 1030800000 (upper connection marked blue).		

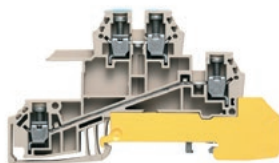
Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	<b>1071500000</b>
Q 3 WDL2.5S	24 A	50	<b>1071600000</b>
Q 4 WDL2.5S	24 A	50	<b>1071700000</b>
Q 10 WDL2.5S	24 A	20	<b>1071800000</b>
Q 20 WDL2.5S	24 A	20	<b>1074200000</b>
WEW 35/2		100	<b>1061200000</b>
WAP WDL2.5/S		20	<b>1067700000</b>
WHP WDL2.5/S BL		20	<b>1067980000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZB 4		50	<b>0316500000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	<b>1071500000</b>
Q 3 WDL2.5S	24 A	50	<b>1071600000</b>
Q 4 WDL2.5S	24 A	50	<b>1071700000</b>
Q 10 WDL2.5S	24 A	20	<b>1071800000</b>
Q 20 WDL2.5S	24 A	20	<b>1074200000</b>
WEW 35/2		100	<b>1061200000</b>
WAP WDL2.5/S		20	<b>1067700000</b>
WHP WDL2.5/S BL		20	<b>1067980000</b>
SSCH 10X3X1000 CU/SN		1	<b>0348900000</b>
ZB 4		50	<b>0316500000</b>
ZB 16 ZKSC		50	<b>0316600000</b>
ZB 35/M6X16		20	<b>0266500000</b>
DEK 5/5 MC NE WS		1000	<b>1609801044</b>
WS 8/5 MC NE WS		720	<b>1640740000</b>

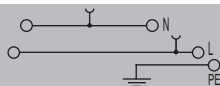
For detailed information on other accessories and application in the online catalogue

WDL 2.5/S/N/L/PE

2.5 mm<sup>2</sup>



6.1 x 84.5 x 48  
32 / 4  
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE ENEC NRTL

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)

8 / 0.6 x 3.5 mm

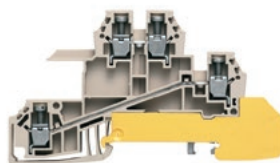
LPE / L-N 250 V

Type	Qty.	Order No.
WDL 2.5/S/N/L/PE	50	1030700000
PE connection is marked green-yellow		

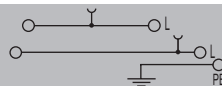
Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2		100	1061200000
WAP WDL2.5/S		20	1067700000
WHP WDL2.5/S BL		20	1067980000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

WDL 2.5/S/L/L/PE

2.5 mm<sup>2</sup>



6.1 x 84.5 x 48  
32 / 4  
0.13...4



IEC 60947-7-1 (-7-2)

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
4 kV / 3			
A3 / V-0			

CE ENEC NRTL

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)

8 / 0.6 x 3.5 mm

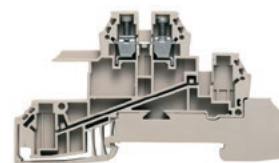
LPE 250 V

Type	Qty.	Order No.
WDL 2.5/S/L/L/PE	50	1031100000
PE connection is marked green-yellow		

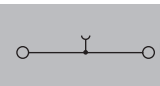
Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2		100	1061200000
WAP WDL2.5/S		20	1067700000
WHP WDL2.5/S BL		20	1067980000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000

WDL 2.5/S/L

2.5 mm<sup>2</sup>



6.1 x 84.5 x 48  
32 / 4  
0.13...4



IEC 60947-7-1

IEC	UL	CSA	EN 60079-7
	300	300	
24	15	10	
2.5	AWG 26...12	AWG 26...12	
6 kV / 3			
A3 / V-0			

CE ENEC NRTL

Rated connection

0.5...4 / 1.5...4  
0.5...4 / 0.5...2.5  
0.4...0.6 Nm / (M 2.5)

8 / 0.6 x 3.5 mm

Type	Qty.	Order No.
WDL 2.5/S/L	50	1031300000
WDL 2.5/S/N Order no. 1030900000 (connection marked blue).		

Type	current	Qty.	Order No.
Q 2 WDL2.5S	24 A	50	1071500000
Q 3 WDL2.5S	24 A	50	1071600000
Q 4 WDL2.5S	24 A	50	1071700000
Q 10 WDL2.5S	24 A	20	1071800000
Q 20 WDL2.5S	24 A	20	1074200000
WEW 35/2		100	1061200000
WAP WDL2.5/S		20	1067700000
WHP WDL2.5/S BL		20	1067980000
SSCH 10X3X1000 CU/SN		1	0348900000
ZB 4		50	0316500000
ZB 16 ZKSC		50	0316600000
ZB 35/M6X16		20	0266500000
DEK 5/5 MC NE WS		1000	1609801044
WS 8/5 MC NE WS		720	1640740000



Support plates and end plates

PAP PDU16S



Technical data	
Width	mm
Ordering data	
	dark beige
	blue
	blue
	grey
	black
Note	

2.7		
Type	Qty.	Order No.
PAP PDU16S	10	1139910000

PAP PDL 4



1.5		
Type	Qty.	Order No.
PAP PDL4	20	1883210000

PAP PDL 4S

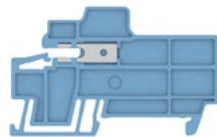


1.5		
Type	Qty.	Order No.
PAP PDL4S	20	1837070000

Support plates and end plates

PHP PNT 2.5/4

General

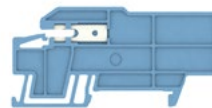


Technical data	
Width	mm
Ordering data	
	dark beige
	blue
	blue
	grey
	black
Note	

3		
Type	Qty.	Order No.
PHP PNT 2.5/4	20	1896390000
PHP PNT 2.5/4 SO	20	1916790000

PHP PNT 6/10

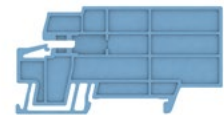
General



3		
Type	Qty.	Order No.
PHP PNT 6/10	10	1896100000
PHP PNT 6/10 SO	10	1919710000

PHP PNT 16

General



3		
Type	Qty.	Order No.
PHP PNT16	10	1896380000
PHP PNT16 SO	10	1919690000



# Installation

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<b>Installation</b>	Assembly instructions	C.2
	Mounting accessories	C.10
	Marking system	C.22
	Tools	C.24
	Enclosure system	C.26
	Materials	C.28
	Standards and regulations	C.32
	Types	C.40

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# General technical notes

## Useful tips from planning through to installation

As a system planner, you bear the responsibility for the correct selection of solutions and components. The IEC standard and the DIN EN 61439 “Low-voltage switchgear and controlgear assemblies” standard support you here. They stipulate the planning and construction requirements, as well as the necessary design verifications. The essential prerequisites are, of course, professional handling of equipment and observance of the rules in force. Only in this way can hazards to persons and property be avoided when they are dealing with electrical energy. In particular, installation, maintenance work, modifications and retrofitting may only be carried out by qualified personnel and in compliance with the general installation and safety regulations for work on power installations.

### Our promise

Connections in the panel have to satisfy numerous rules and conditions. Whether installing terminal strips and terminal blocks or using aluminium conductors – we provide you with useful tips that make your work easier.

### Operating conditions

The specifications contained in the documentation apply, insofar as no separate stipulations apply, for the recommended installation position and for environmental conditions in the case of indoor installation (pollution severity 3, in exceptional cases 2) in accordance with IEC 60439-1 and IEC 61439-1/2/3. The user has to refer the manufacturer to special operating conditions deviating from this standard! You have to provide for installation-specific reduction factors depending on the actual operating conditions. The load factors listed in the table below constitute guidelines.

### What you have to observe for installation

In the case of products containing cartridge fuses, you have to follow the specifications from the associated product standards with regard to the wire cross-sections to be connected. The specified temperature resistance of the plastics used has to be observed.

Here, we recommend installing the products vertically on horizontal terminal rail systems. The rated load factors in the table are applicable for this installation position and also for components with permissible power losses. This also pertains to the environmental conditions in accordance with IEC 60439-1, section 6.1.1.1 and IEC 61439-2/3, section 7.1.1.1.

C

Guidelines for rated load factors		
Number of main circuits	Rated load factor	
	acc. to IEC 61439-2	acc. to IEC 61439-3
2 and 3	0.9	0.8
4 and 5	0.8	0.7
6 to 9 inclusive	0.7	0.6
10 and more	0.6	0.5

IEC 61439  
 Part 2: Power switchgear and controlgear assemblies  
 Part 3: Distribution boards intended to be operated by ordinary persons

### And what if the conditions deviate

In case of a deviation in the installation position and operating conditions, you have to consider all the factors influencing the maximum temperature. These include, for example:

- Power output of the cartridge fuses and the devices in operation
- Timings, full and partial load, concurrency
- Arrangement in the system, mutual interaction between the devices
- Rail cross-section, conductor cross-section
- Ambient temperature, flow conditions, ventilation and cooling through additional correction factors

Installation positions are inadmissible in which gravity works against the direction of contact movement. Clearance and creepage distances have to be measured in accordance with IEC 60664-1 (VDE 0110 Part 1). Above 12 mm, all IEC requirements are met up to 690 V AC. You also have to consider further factors, such as minimum distances to grounded parts. This particularly applies for UL applications. You also need to avoid the harmful influences of chemical substances during storage, processing and operation.

### CE marking

Our products are subject to mandatory CE-marking in conjunction with Low Voltage Directive 73/23/EEC, as amended by Directive 2014/35/EU. We have affixed the CE mark on the individual packing units and partly on the products themselves. We hereby confirm to you that our products comply with the applicable regulations. We would be pleased to provide you with the relevant declarations of conformity at our company.

### RoHS Directive

The restriction on lead and five further potentially hazardous substances used in electrical and electronic equipment is defined by the EU RoHS Directive. You will find more information at:

[www.weidmueller.com/rohs](http://www.weidmueller.com/rohs)

### REACH Regulation

The European chemical regulation REACH stands for the Registration, Evaluation, Authorisation and restriction of Chemicals. You will find current information at:

[www.weidmueller.com/reach](http://www.weidmueller.com/reach)

### Our tips for you

It always has to be ensured that ...

- all accessible parts are deactivated during installation and maintenance work
- connections are made with the prescribed torque, suitable fitted parts are used and parts are completely installed for touch-safe protection
- connections are checked and, if necessary, tightened after transportation
- the products are used and operated according to the intended purpose
- the technical description in the product manual and the installation instructions are observed and the documents are kept accessible for subsequent maintenance work, modifications and retrofitting
- modifications that serve for advancement and technical progress are reserved

# Mounting of terminal strips

## Always a secure connection

Terminal strips are used for quick installation of cables and conductors. They are the interface from the panel to the outside world. Below, you will find some useful tips, information and binding rules to support you in mounting terminal strips.

### Combinations of different terminal blocks

In case of a contour change, you have to use end plates and partition plates (WAP/TW, ZAP/TW and IAP). If terminal blocks with different rated voltages are arranged next to one another, you need end plates or partition plates (WAP/TW, ZAP/TW). Good to know: when arranging the PE terminal block next to, or between the associated feed-through terminals blocks of the same series and size, the rated voltage and the rated impulse voltage of the feed-through terminal blocks are not influenced.

### Dimensions

The dimension of the housing enclosing the terminal blocks and fastening components is specified, but without tolerances. Please consider a mounting tolerance of 0.2 mm to the specified terminal width in your project design.

### Partition plate

You use a partition plate for visual separation of circuits or for electrical isolation from neighbouring cross-connectors.

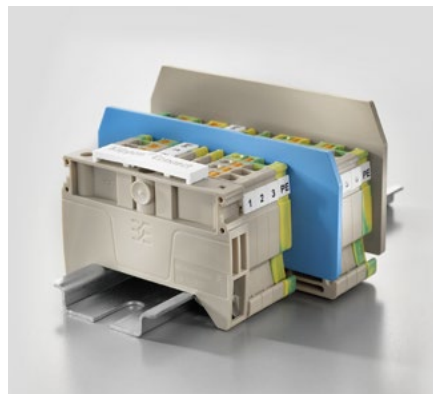
### Small partition

In the case of terminal blocks, up to a terminal width of max. 12 mm, you can retroactively insert small partitions between cross-connections or sockets.

End bracket at the beginning and end of the terminal strip



Partition plates improve the overview



Troubleshooting with bipolar voltage tester incl. measurement probe according to IEC 61243-3





**Compliance with the rated insulation voltage**

We specify the required stripping length for all our products in mm. These lengths, e.g.  $6 \text{ mm} \pm 0.5 \text{ mm}$ ,  $\geq 10 \text{ mm} \pm 1 \text{ mm}$  are absolutely binding. This is also the case if you use wire-end ferrules. IEC 60947-1 applies for the outside dimension of crimped wire-end ferrules.

**Working on electrical connectors with non-insulated screwdrivers**

The following five rules apply for working on electrical systems and equipment with non-insulated screwdrivers:

- Disconnect the electrical systems
- Prevent from being switched back on
- Ascertain absence of voltage
- Earth and short-circuit
- Cover or block off neighbouring parts under voltage

Please find the individual measures to be taken in consideration of the operational and local conditions, for example high voltage and low voltage lines, cables or switchgear systems, in VDE 0105 Part 100.

**Unused contact points under voltage**

Protect unused contact points that may be live against inadvertent touching by using suitable covers, such as ADP 1 to 4. The clamping screws of unused contact points that are not live must also be tightened.

**Tightening torque range for clamping screws**

The test torque according to IEC 60947-1 or the torque according to the manufacturer's specifications is the lower value of the torque range. With this, all tests are passed. The upper value of the torque range is the maximum torque that may be applied.

Preferably set the electrical torque screwdriver to the midpoint torque of the terminal torque range. We have assigned product-specific data directly to the respective products.

Tightening the clamping screw in the specified torque ranges ensures:

- Reliable and gas-tight clamping
- No mechanical destruction of the clamping yokes
- Voltage drop well below the required limit value

**Our installation tips for you**

- The terminal strip structure is from left to right
- Place the closed side to the left, the open side to the right
- Always close the open side of the terminal strip with end plates or separation plates (WAP/TW, ZAP/TW)
- End brackets have to be placed at the beginning and end of a terminal strip

# Connecting terminal blocks

## With the right torque

The right torque is a decisive factor in professional connection of terminal blocks in order to avoid damage to the electrical systems. Therefore, always apply the tightening torque specified in the installation instructions or on the Internet for the product.

Unless limits are specified, the deviation of the tightening torque for screw and clamp connections may be a maximum of  $\pm 20$  percent of the rated value. If no range is specified for clamping cross-sections, the lower clamping range is

limited to two levels below the rated cross-section. Please find the relationships between the wire cross-sections in  $\text{mm}^2$  and AWG/MCM sizes in the table below.

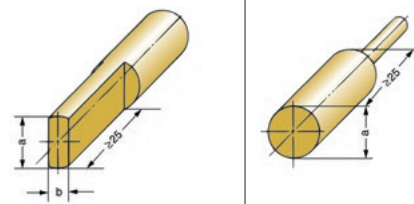
### General technical data for conversion AWG\* conductor to $\text{mm}^2$

AWG	$\text{mm}^2$
28	0.08
26	0.13
24	0.20
22	0.33
20	0.52
19	0.65
18	0.82
17	1.04
16	1.31
15	1.65
14	2.08
13	2.63
12	3.31
11	4.17
10	5.26
9	6.63
8	8.37
7	10.55
6	13.30
5	16.77
4	21.15
3	26.67
2	33.63
1	42.41
0	53.48

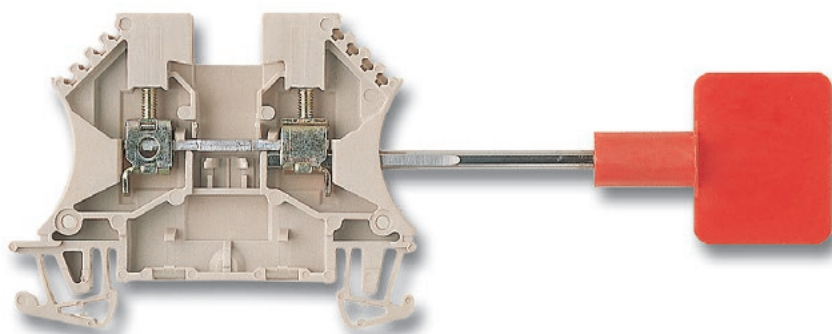
### Plug gauge according to IEC 60947-1: insertability of unprepared round conductors with the largest defined cross-section

Test with the defined gauge, insertion under own weight

Cable diameter		Gauge						
		Shape A			Shape B			
Flexible conductors $\text{mm}^2$	Solid conductors (one or more wires) $\text{mm}^2$	Designation	Diameter a mm	Width b mm	Designation	Diameter a mm	Permissible deviation for a and b mm	
1.5	1.5	A 1	2.4	1.5	B 1	1.9	0 - 0.05	
2.5	2.5	A 2	2.8	2.0	B 2	2.4		
2.5	4	A 3	2.8	2.4	B 3	2.7		
4	6	A 4	3.6	3.1	B 4	3.5	0 - 0.06	
6	10	A 5	4.3	4.0	B 5	4.4		
10	16	A 6	5.4	5.1	B 6	5.3		
16	25	A 7	7.1	6.3	B 7	6.9	0 - 0.07	
25	35	A 8	8.3	7.8	B 8	8.2		
35	50	A 9	10.2	9.2	B 9	10.0		
50	70	A 10	12.3	11.0	B 10	12.0	0 - 0.08	
70	95	A 11	14.2	13.1	B 11	14.0		
95	120	A 12	16.2	15.1	B 12	16.0		
120	150	A 13	18.2	17.0	B 13	18.0		



\* AWG is the abbreviation for "American Wire Gauge".



#### Approval of wire-end ferrules

Wire-end ferrules are only ever approved for applications according to IEC/EN standards. We tested examples for the application of wire-end ferrules; this does not represent any form of general approval for different ferrule pressings. You may have to reduce the maximum wire cross-sections. Conductors have to be manufactured taking into consideration the requirements of IEC/EN 60999-1 and -2 and have to be configured such that there is no tensile loading.

#### Two conductors at a contact point

You achieve assignment to individual circuits, identification and division of individual functional units optimally by only connecting one conductor to each contact point. Terminal blocks with screw connection (W-Series) are available to you should two conductors of the same cross-section be connected to a contact point. The connection of two cables with screwless contact points is forbidden according to DIN IEC 60999-1. Connection of two conductors is possible in terminal blocks with spring connection, however, by using twin wire-end ferrules.

#### Continuous current for two conductors

The total current of two conductors must not exceed the continuous current of the terminal block. The continuous current is the maximum current a terminal block can carry without exceeding a temperature increase of 45 K.

#### Rated voltage

The rated voltage of the terminal block does not change with the proper connection of two conductors.

# Use of aluminium conductors

## Very secure contact

Aluminium conductors have many advantages. However, various conditions must be met in order to achieve secure contact with these conductors. The specifications for the conductor connections for terminal blocks only apply for copper conductors. They do not apply to aluminium conductors.

### Why is the use of aluminium conductors so attractive?

The use of aluminium conductors is becoming increasingly attractive, especially when conductors with cross-sections over 16 mm<sup>2</sup> are used. One advantage of aluminium as a wire material is its favourable price as compared with copper. Aluminium also weighs significantly less. This makes routing cables much easier.

### Properties and physical influences of aluminium

The direct contact of aluminium as an electrical conductor is essentially determined by three physical influences:

- Exposure to oxygen immediately forms a non-conducting oxide layer on the surface of the aluminium conductor. The result is an increase in the contact resistance between the connection system and the aluminium conductor. In the worst case, this can lead to the terminal block catching fire.
- The conductivity of aluminium is one-third lower than that of copper. For this reason, the selection of the right cross-section should always be dependent on the maximum anticipated current. When using aluminium conductors, we therefore recommend always selecting one conductor size larger for the same current carrying capacity.
- Aluminium has a tendency to flow under mechanical pressure loading. This necessitates checking the specified torque prior to initial use and monitoring the torque applied after approx. 200 operating hours.

### Professional processing and handling of aluminium conductors for direct connection

In order to ensure optimal connection of solid and sectional core aluminium conductors, the stripped end of the conductor must be cleaned of the oxide layer immediately by scraping, e.g. with a knife. Please note that no brushes, files or sandpaper may be used, as aluminium particles could be stuck and thus transferred to other conductors.

Immediately after removing the oxide layer, the end of the conductor has to be rubbed with neutral grease (for example with acid and alkali free vaseline) and connected in the terminal immediately. If the conductor has been disconnected and reconnected, the work steps have to be repeated.

Terminal blocks for aluminium conductors			
WPD×01 ...	152 A	25 mm <sup>2</sup> solid, stranded and sector-shaped in acc. with IEC 61238-1	4 NM
WPD×02 ...	202 A	35 mm <sup>2</sup> solid, stranded and sector-shaped in acc. with IEC 61238-1	16 <sup>2</sup> = 4.0 NM 25 <sup>2</sup> = 6.0 NM 35 <sup>2</sup> = 8.0 NM
WPD×03 ...	300 A	70 mm <sup>2</sup> solid, stranded and sector-shaped in acc. with IEC 61238-1	16 <sup>2</sup> = 4.0 NM 25 <sup>2</sup> = 6.0 NM 35 <sup>2</sup> = 8.0 NM 50 <sup>2</sup> = 10.0 NM 70 <sup>2</sup> = 18.0 NM



In case of WDU 240, the manufacturer's specifications concerning current-carrying capacity of the aluminium conductor used have to be observed. This is usually well below 400 A.

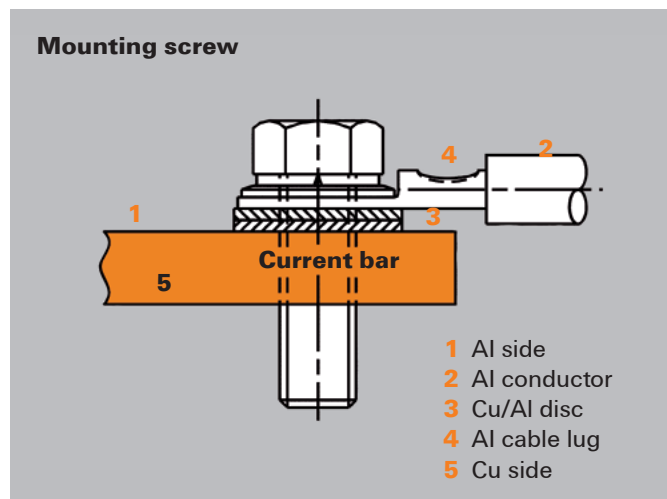
**Professional preparation and handling of aluminium conductors with indirect connection**

Indirect connection of aluminium conductors is the safest choice. This can be enabled through the use of connecting elements, such as Al/Cu ring cable lugs or compression bolts. Nevertheless, the relevant manufacturer's specifications must also be observed here and the contact point checked according to the operating instructions.

For normal environmental conditions and load cases, we recommend checking at intervals of six months. With unfavourable operating conditions or frequent temperature changes at the contact points, a shorter interval may be necessary. Temperature measurement strips with storage of maximum values can be attached in the immediate vicinity of the contact points and may be useful for objective assessment with regular tests. All contact points are suitable for the connection of one conductor, unless noted otherwise.

**Installation instructions for flat cable lugs**

When tightening the terminals, it is recommended to apply a counter-force on the conductor to avoid deformation of the terminal rail and to keep the foot of the terminal free of torsion forces. Connection of stranded aluminium conductors to terminal blocks is achieved with the aid of an aluminium cable lug. This is selected according to the shape of the conductor and is connected to the cable lug manufacturer's specifications. Cu/Al washers are required at the junction of aluminium cable lugs to the terminal block current bar. Only then is a smooth transition from copper to aluminium ensured. They are fitted such that the copper side of the current bar and the aluminium side make contact with the aluminium cable lug.



# Installation in conformity with standards

## With precisely matched accessories

When mounting terminal blocks and assembling panels, you must always be able to rely on accessories fitting perfectly. Only then do the processes run smoothly and therefore productively. The requirements placed on terminal rails, busbars, as well as cover plates and support brackets, are correspondingly high. They have to comply with numerous standards and safety regulations.

### Our promise

Our components are aligned to each other right down to the finest detail and hence make installation easier for you.

Information and ordering data for mounting accessories is available to you in our online catalogue. The webcode #01229 entered into the search screen of our website takes you directly into the Klippon® Connect area.

### Terminal rails

Terminal and top-hat rails for component mounting and end brackets are important for holding and insulating the components. Depending on the application area, we offer terminal rails made of steel, stainless steel, aluminium, copper or plastic.

#### Stainless steel

Stainless steel is a collective term for all types of steel (alloys) with a high degree of purity and corrosion resistance.

#### Aluminium

Aluminium has the second best electrical conductivity after copper. One advantage is low weight, another is outstanding corrosion protection.

#### Copper

Copper has the best electrical conductivity of all metals used. The copper rail has the highest short-circuit protection.

#### Plastic

Plastic terminal rails have insulating properties and are very light. They can be used where clearance and creepage distances to the support bracket cannot be achieved with standard terminal rails.

#### Steel

Steel terminal rails are the most widespread on the market. Among metal terminal rails, they have the lowest short-circuit protection, similar to stainless steel.

#### Use as PE conductors or PEN busbars

Under certain circumstances, you can also use terminal rails as bus bars for protective conductors (PE conductors) or PEN conductors. The Weidmüller PE terminal blocks with spring and screw connections fulfil the requirements for PE conductors defined in IEC 60 947-7-2. According to VDE 0100 Part 540, protective earth conductors and neutral conductors with wire cross-sections above 10 mm<sup>2</sup> may be combined to form a conductor abbreviated as PEN.

### Our installation tip

If a terminal rail is used as a PEN busbar, the following criteria have to be observed:

- Only profiles made of E-Cu or aluminium are permissible
- Short-circuit currents and thermal rated currents
- Insulate terminal rails with the "protective insulation" protective measure



## Busbars

In the case of switchgear and control systems it, may be necessary to bring the neutral and PE conductor together on busbars. They offer the possibility of connecting a large number of conductors (on 1 m rails up to 70 conductors) with a low space requirement – either via a pressure piece or a clamping yoke. The SH rail support (which can also be arranged between the clamping yokes for longer bar) serves for fixing purposes. If the clamping yoke is used as protective earth connection, we can optionally supply it with green-yellow or as neutral conductor with blue insulation cap.

## Cover profiles and support brackets

Several safety regulations, such as the accident prevention regulation “Electrical Installations and Equipment” (VGB 4) and VDE 0106 Part 100/3.83, require from you that active parts of electrical equipment are protected against direct touching. Our cover profiles with associated support brackets may be used for the most common terminal sizes. The support brackets can be arranged at the end or along the the terminal strip. They can be fastened to TS 32, TS 35 or TS 15 terminal rails.

### Our installation tip

- In order to combine neutral or protective earth conductors at a central point, the ZB clamping yoke can be used together advantageously with the 10 × 3 or 6 × 6 busbars
- The ZBE 6 can be retroactively swivelled on to the busbars

### Our installation tip

- Linear intervals of the support brackets: the linear measure of the ADP 1, 2 and 3 between the support brackets should not significantly exceed 300 mm
- The cover profile is also snapped on to tags at the sides; extra tightness is achieved with pegs on the support brackets for sealing purposes
- The transparent design of the profiles allows terminals with accessories and marking to be identified at any time. Additional markings, e.g. from groups, can also be applied

## Mounting accessories – Busbars

### Busbars, unslotted



### SSch

Type	Material	Cross-section	Length	Rated current	Qty.	Order No.
SSCH 10X3X1000 CU/SN	Copper	10...3 mm	1000 mm	140 A	1	0348900000
SSCH 10X3X1000 MS/BK	Brass	10...3 mm	1000 mm	100 A	1	0259800000
SSCH 10X3X1000 ST/ZN	Steel	10...3 mm	1000 mm		1	0438000000
SSCH 15X6X1000 CU/SN	Copper	15...6 mm	1000 mm	265 A	1	0357400000
SSCH 6X6X1000 CU/SN	Copper	6...6 mm	1000 mm	140 A	1	0571300000

### Busbars, slotted



### NSch / ESch

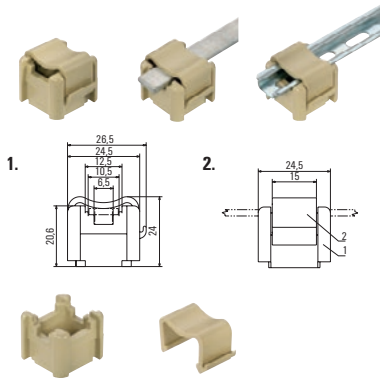
Type	Material	Cross-section	Length	Rated current	Qty.	Order No.
ESCH 1 M	Steel	12...2 mm	1000 mm	24 A	1	0280300000
NSCH 1M	Copper	15...2 mm	1000 mm	24 A	1	0280200000
NSCH 2M	Copper	15...2 mm	2025 mm	24 A	2	1313600000
<b>Pressure piece</b>					<b>Qty.</b>	<b>Order No.</b>
DKSUE NSCH/ESCH					100	0280100000
<b>Clamping screw</b>						
BFSC M5X8 Schlitz					100	0296700000

### Technical data

Solid	...
Stripping length	
Cable lug to DIN 46234	
Current	

### Rail support

With yoke and base



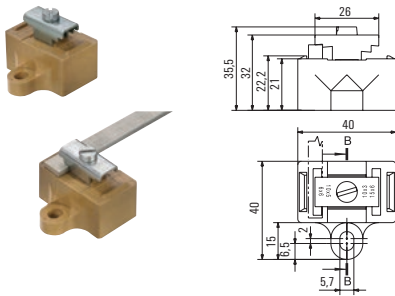
### SH 1

Type	Width	Height	Depth	Qty.	Order No.	
SH 1	26 mm	24.5 mm	24 mm	20	0299860000	
<b>Individual parts</b>					<b>Qty.</b>	<b>Order No.</b>
SO SH1					20	0401460000
KLBUE SH1					20	0635960000
<b>Screwable cross-connection</b>						
BFSC M4X9T					100	0103300000
BFSC M4X30					50	0267100000
SH 1: for busbar cross-section 10 x 3, 6 x 6, 15 x 2, 12 x 2, 15 x 2, 15 x 6						



**Rail support**

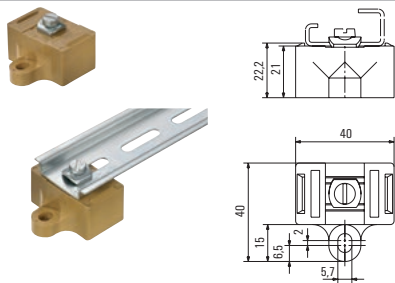
With metal bridge



**SH 2S**

Type	Width	Height	Depth	Qty.	Order No.
SH 2 S	40 mm	40 mm	35.5 mm	10	0641720000
For busbar cross-section 10 x 3, 6 x 6, 10 x 5, 15 x 6					

**Rail support**

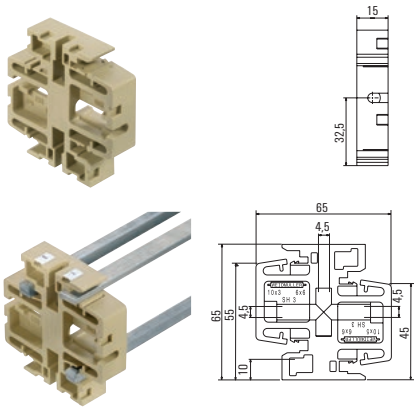


**SH 2**

Type	Width	Height	Depth	Qty.	Order No.
SH 2	40 mm	40 mm	25 mm	10	0494920000
The arrangement of mounting rails in totally insulated facilities					

**Rail support**

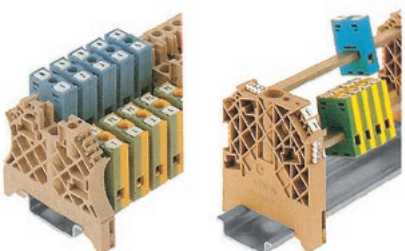
With metal bridge



**SH 3**

Type	Width	Height	Depth	Qty.	Order No.
SH 3	65 mm	15 mm	65 mm	10	0556660000
For busbar cross-section 10 x 3, 6 x 6, 10 x 5					

**Rail support**

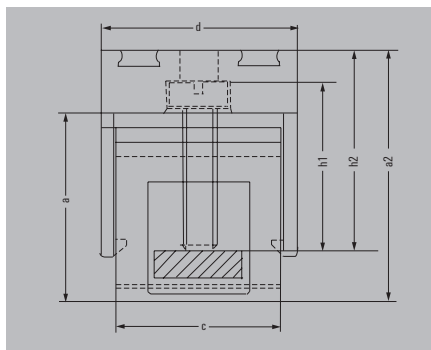


**WEW**

Type	Width	Height	Depth	Qty.	Order No.
<b>Polyamide with fibre glass, screwable</b>					
WEW 35/1	12 mm	56 mm	62.5 mm	50	1059000000
WEW 35/2	8 mm	56 mm	46.5 mm	100	1061200000
WEW 35/1 GR	12 mm	56 mm	62.5 mm	50	1227890000
WEW 35/1 SW	12 mm	56 mm	63 mm	50	1162600000
WEW 35/2 GR 7042	8 mm	56 mm	46.5 mm	100	1859200000
WEW 35/2 SW	8 mm	56 mm	47 mm	100	1061210000
For busbar cross-section 10 x 3, 6 x 6					

## Mounting accessories – Busbars

## Clamping yoke, uninsulated



## Tightening torques for clamping screws according to IEC 60947-1

Products with screw with slotted head		
Thread	Tightening torque	
	Steel screws	A 2/A 4-80
	min. 8.8	[Nm]
M 2	0.2...0.35	0.2...0.35
M 2.5	0.4...0.8	0.4...0.8
M 3	0.5...1.0	0.5...1.0
M 3.5	0.8...1.6	0.8...1.6
M 4	1.2...2.4	...
M 5	2.0...4.0	...
M 6	2.5...5.0	...

## for busbar 10 x 3 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	0.5...4 mm <sup>2</sup>
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

## for busbar 10 x 3 mm

## For subsequently slewing-in



Solid	1...10 mm <sup>2</sup>
Flexible	1.5...10 mm <sup>2</sup>
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

## for busbar 10 x 3 mm

## Also for 10 x 5 mm busbars



Solid	1.5...10 mm <sup>2</sup>
Flexible	2.5...10 mm <sup>2</sup>
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

## for busbar 10 x 3 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	16 mm

## for busbar 10 x 3 mm



Solid	16...16 mm <sup>2</sup>
Flexible	16...35 mm <sup>2</sup>
Stranded	...
Clamping screw	M 6
Stripping length	19 mm

## for busbar 6 x 6 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	0.5...4 mm <sup>2</sup>
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

## for busbar 6 x 6 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	12 mm

## ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4	Silver	5.3 mm	15.5 mm	16 mm	50	0316500000
IK 4 BL ZB4	Silver	6 mm	19 mm	14.5 mm	50	0475480000
IK 4 GG ZB4	Silver	6 mm	19 mm	14.5 mm	50	0475460000

## ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6	Silver	8 mm	19 mm	28 mm	50	0459500000
IK 6 GG ZBE6K	Silver	7.8 mm	22.5 mm		50	0526060000

## ZB 10

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 10 F.10X3/10X5/10X10	Silver	8 mm	19.5 mm	29.1 mm	50	1261300000

## ZB 16

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16 ZKSC	Silver	10 mm	16 mm	24 mm	50	0316600000
IK 16/ZB16 BL	Silver	9 mm	19 mm	20 mm	50	0502980000
IK 16/ZB16 GG	Silver	9 mm	19 mm	20 mm	50	0502960000

## ZB 35

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35/M6X16	Silver	14 mm	18 mm	34 mm	20	0266500000
IK 35/ZB35 BL	Silver	14 mm	32 mm	8.6 mm	50	0502780000

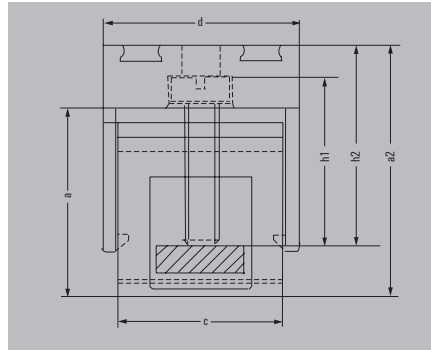
## ZB 4/6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4/6	Silver	5.3 mm	12 mm	20 mm	50	0556700000

## ZB 16/6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16/6	Silver	10 mm	12.5 mm	30.7 mm	50	0556800000

Clamping yoke, insulated



for busbar 10 x 3 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	...
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

for busbar 10 x 3 mm

For subsequently slewing-in



Solid	1...10 mm <sup>2</sup>
Flexible	1.5...10 mm <sup>2</sup>
Stranded	...
Clamping screw	M 4
Stripping length	19 mm

for busbar 10 x 3 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	16 mm

for busbar 10 x 3 mm



Solid	16...16 mm <sup>2</sup>
Flexible	16...35 mm <sup>2</sup>
Stranded	...
Clamping screw	M 6
Stripping length	19 mm

for busbar 10 x 3 mm

Tension clamp connection



Solid	0.5...4 mm <sup>2</sup>
Flexible	0.5...2.5 mm <sup>2</sup>
Stranded	...
Clamping screw	
Stripping length	10 mm

for busbar 6 x 6 mm



Solid	0.5...6 mm <sup>2</sup>
Flexible	0.5...4 mm <sup>2</sup>
Stranded	...
Clamping screw	M 3
Stripping length	16 mm

for busbar 6 x 6 mm



Solid	2.5...16 mm <sup>2</sup>
Flexible	2.5...16 mm <sup>2</sup>
Stranded	16...25 mm <sup>2</sup>
Clamping screw	M 4
Stripping length	12 mm

ZB 4

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4G BL	Silver	7.4 mm	19.5 mm	27 mm	50	0322180000
ZB 4G GN/GE	Silver	7.4 mm	19.5 mm	27 mm	50	0322160000
ZB 4G SW	Silver	7.4 mm	19.5 mm	27 mm	50	0322110000
ZB 4K BL	Silver	6 mm	19 mm	20.4 mm	50	0475380000
ZB 4K GE/GN	Silver	6 mm	19 mm	20.4 mm	50	0475360000

ZBE 6

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZBE 6K BL	Blue	8 mm	22.5 mm	19.5 mm	50	0525980000
ZBE 6K GE/GN	Yellow, Green	8 mm	22.5 mm	19.5 mm	50	0525960000
ZBE 6K SW	Black	8 mm	22.5 mm	19.5 mm	50	0525910000

ZB 16K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16K BL	Silver	10 mm	19 mm	26.8 mm	50	0502880000
ZB 16K GE/GN	Silver	10 mm	19 mm	26.8 mm	50	0502860000

ZB 35K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 35K BL M6X16	Silver	14 mm	32 mm	34 mm	20	0502680000
ZB 35K GE/GN M6X16	Silver	14 mm	32 mm	34 mm	20	0502660000
ZB 35K SW M6X16	Silver	14 mm	32 mm	34 mm	20	0502610000

ZF 4 S

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZF 4 S	Silver	6.1 mm	24.5 mm	22 mm	50	1814680000
ZF 4 S BL	Silver	6.1 mm	24.5 mm	22 mm	50	1814660000
ZF 4 S GN	Silver	6.1 mm	24.5 mm	22 mm	50	1814670000

ZB 4 / 6K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 4/6K BL	Silver	6 mm	25 mm	14.7 mm	50	0565480000
ZB 4/6K GE/GN	Silver	6 mm	25 mm	14.7 mm	50	0565460000

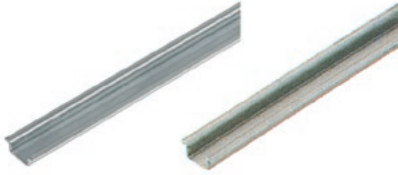
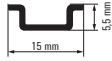
ZB 16 / 6K

Type	Colour	Width	Height	Depth	Qty.	Order No.
ZB 16/6K GE/GN	Silver	10 mm	25 mm	30.7 mm	50	0569660000

**Mounting accessories – DIN rails**

**TS 15 terminal rail**

unslotted

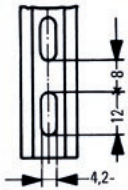


**TS 15 x 5**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Aluminium</b>					
TS 15X5 2M/AL/BK	76.00 A	5.5 mm	2000 mm	2	<b>0134700000</b>
<b>Steel, galvanised and passivated</b>					
TS 15X5 2M/ST/ZN		5.5 mm	2000 mm	2	<b>0514200000</b>

**TS 15 terminal rail**

with slot

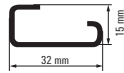


**TS 15 x 5**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Steel, galvanised and passivated</b>					
TS 15X5/LL 2M/ST/ZN		5.5 mm	2000 mm	2	<b>0117500000</b>
TS 15X5/LL 1M/ST/ZN		5.5 mm	1000 mm	1	<b>0117510000</b>

**TS 32 terminal rail**

unslotted

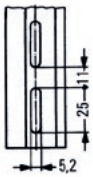


**TS 32 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Aluminium</b>					
TS 32X15 2M/AL/BK	192.00 A	33 mm	2000 mm	2	<b>0169300000</b>
<b>Steel, galvanised and passivated</b>					
TS 32X15 2M/ST/ZN		33 mm	2000 mm	2	<b>0122800000</b>
<b>Stainless steel</b>					
TS 32X15 2M/CRN		33 mm	2000 mm	2	<b>0293220000</b>
TS 32X15 2M/AL/BK: max. permitted rated current for PEN function = 192 A					

**TS 32 terminal rail**

with slot

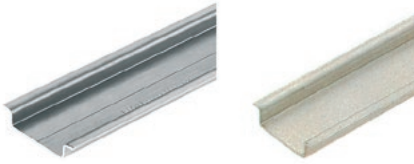


**TS 32 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Steel, galvanised and passivated</b>					
TS 32X15/LL 2M/ST/ZN		33 mm	2000 mm	2	<b>0514400000</b>

**TS 35 x 7.5 terminal rail**

unslotted

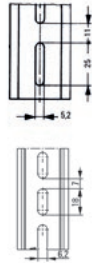


**TS 35 x 7.5**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Aluminium</b>					
TS 35X7.5 2M/AL/BK	125.00 A	35 mm	2000 mm	2	0330800000
<b>Steel, galvanised and passivated</b>					
TS 35X7.5 2M/ST/ZN		35 mm	2000 mm	2	0383400000
TS 35X7.5 1M/ST/ZN		35 mm	1000 mm	1	0383410000
<b>Stainless steel</b>					
TS 35X7.5 2M/CRN		35 mm	2000 mm	2	1747350000
TS 35X7.5 2M/AL/BK: max. permitted rated current for PEN function = 125 A					

**TS 35 x 7.5 terminal rail**

with slot

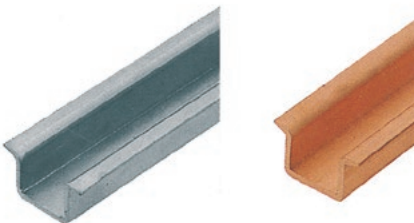


**TS 35 x 7.5**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Steel, galvanised and passivated</b>					
TS 35X7.5/LL 2M/ST/ZN		35 mm	2000 mm	2	0514500000
TS 35X7.5/LL 1M/ST/ZN		35 mm	1000 mm	1	0514510000
TS 35X7.5/LL/6 2M/ST/ZN		35 mm	2000 mm	2	0514570000

**TS 35 x 15 terminal rail**

unslotted



**TS 35 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Copper</b>					
TS 35X15/2.3 2M/CU/BK	309.00 A	35 mm	2000 mm	2	0270100000
<b>Steel, galvanised and passivated</b>					
TS 35X15/2.3 2M/ST/ZN		35 mm	2000 mm	2	0498000000
<b>Aluminium</b>					
TS 35X15/2.3 2M/AL/BK	192.00 A	35 mm	2000 mm	2	1848290000
max. permitted rated current for PEN function: TS 35X15/2.3 2M/CU/BK = 309 A / TS 35X15/2.3 2M/AL/BK = 192 A					

**TS 35 x 15 terminal rail**

unslotted



**TS 35 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Steel, galvanised and passivated</b>					
TS 35X15 2M/ST/ZN		35 mm	2000 mm	2	0236400000
max. permitted rated current for PEN function: TS 35X15/2.3 2M/CU/BK = 309 A / TS 35X15/2.3 2M/AL/BK = 192 A					

Mounting accessories – DIN rails

**TS 35 x 15 terminal rail**

with slot



**TS 35 x 15 terminal rail**

unslotted



**End cap for TS 35**



**TS 35 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Steel, galvanised and passivated</b>					
TS 35X15/LL 2M/ST/ZN		35 mm	2000 mm	2	<b>0236500000</b>
TS 35X15/LL 1M/ST/ZN		35 mm	1000 mm	1	<b>0236510000</b>
TS 35X15/6X18 2M/ST/ZN		35 mm	2000 mm	2	<b>1805980000</b>
TS 35X15/6X25 2M/ST/ZN		35 mm	2000 mm	2	<b>1866290000</b>

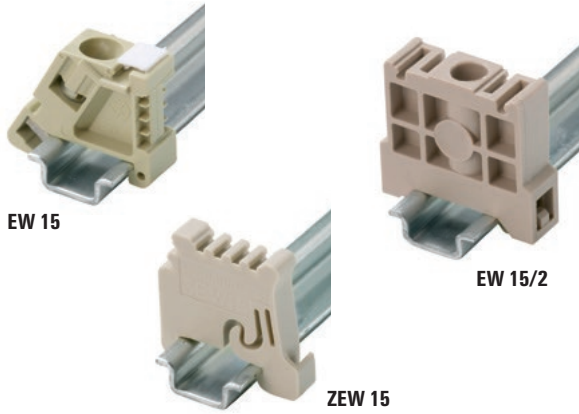
**TSK 35 x 15**

Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>Plastic PVC RAL 7035</b>					
TSK 35X15 2M PVC/GR		15 mm	2000 mm	2	<b>0514300000</b>

**End cap for TS 35**

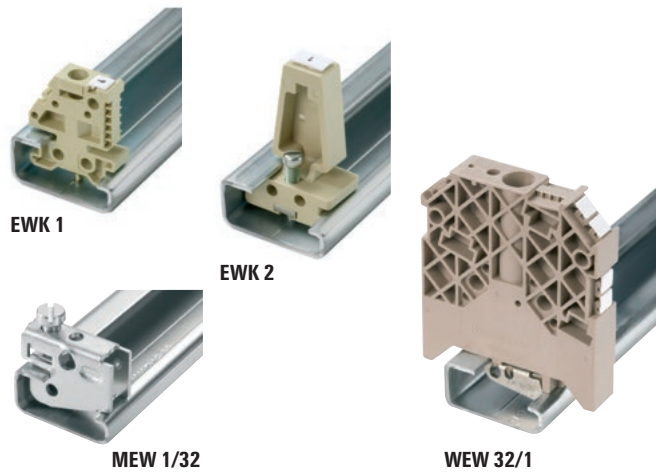
Type	Max. permitted rated current for PEN function	Height	Length	Qty.	Order No.
<b>End cap TS 35 x 7.5</b>					
TS END CAP 35X7.5		37.5 mm		100	<b>1283470000</b>
<b>End cap TS 35 x 15</b>					
TS END CAP 35X15		37.5 mm		100	<b>1283480000</b>

for TS 15 terminal rail



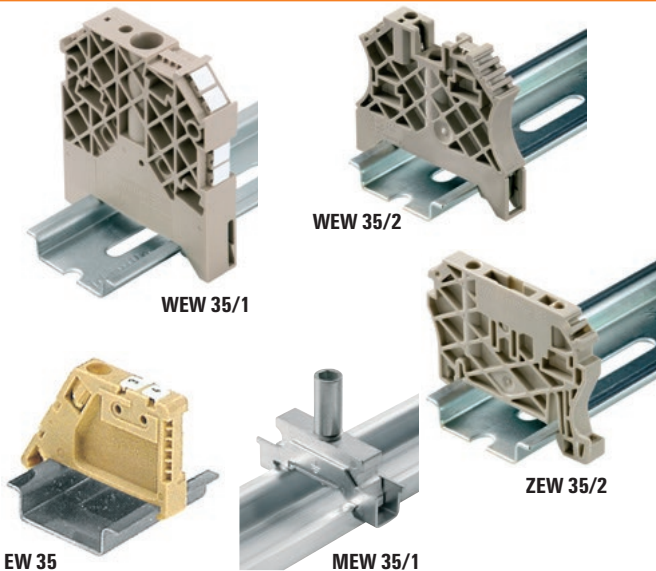
Type	Colour	Torque	Qty.	Order No.
<b>Polyamide 66, screwable</b>				
EW 15	Beige		50	0382860000
<b>Polyamide with fibre glass, screwable</b>				
EW 15/2	Dark Beige		50	1071900000
<b>Polyamide 66, screwless</b>				
ZEW 15	Beige		20	7920340000

for TS 32 terminal rail



Type	Colour	Torque	Qty.	Order No.
<b>Polyamide 66, screwable</b>				
EWK 2	Beige		50	0199360000
EWK 1	Beige		50	0206160000
<b>Polyamide with fibre glass, screwable</b>				
WEW 32/1	Dark Beige		50	1067600000
<b>Metal, screwable</b>				
MEW 1/32	Grey		20	0445600000

for TS 35 terminal rail



Type	Colour	Torque	Qty.	Order No.
<b>Polyamide with fibre glass, screwable</b>				
WEW 35/1	Dark Beige	1.2 Nm	50	1059000000
WEW 35/2	Dark Beige	0.5 Nm	100	1061200000
WEW 35/1 GR	Grey	1.2 Nm	50	1227890000
WEW 35/1 SW	Black	1.2 Nm	50	1162600000
WEW 35/2 GR 7042	Grey	0.5 Nm	100	1859200000
WEW 35/2 SW	Black	0.5 Nm	100	1061210000
<b>Polyamide 66, screwless</b>				
ZEW 35	Dark Beige		20	9540000000
ZEW 35/2	Dark Beige		20	8630740000
ZEW 35 GR	Grey		20	1238040000
ZEW 35/2 GR	Grey		20	1227850000
ZEW 35/2 SW	Black		20	1162610000
<b>Polyamide 66, screwable</b>				
EW 35	Beige	0.5 Nm	50	0383560000
EW 35 GR 7032	Grey		50	0383530000
EW 35 DB	Dark Beige		50	1269050000
<b>Metal, screwable</b>				
MEW 35/1	Grey		10	1805610000

For busbar cross-section 10 x 3, 6 x 6 For busbar cross-section 10 x 3, 6 x 6

## Mounting accessories – DIN rail support / mounting feet

### Terminal rail support



TSTW 5/M5  
TSTW 5/M5 verzinkt  
TSTW 6/M6

Type	Internal thread	Qty.	Order No.
TSTW 5/M5	M 5	10	0178100000
TSTW 5/M5 ZN	M 5	10	1779100000
TSTW 6/M6	M 6	10	0164000000

Terminal rail supports of type TSTW serve for angled mounting of terminal rails at an angle of 35°.

### Terminal rail support



TST

Type	Internal thread	Qty.	Order No.
TST 2/M5	M 5	10	1286600000
TST 2/M6	M 6	10	0101700000

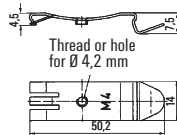
Type	Qty.	Order No.
<b>Mounting plates and fastening screws</b>		
FKSC M6X8 D9/SW3	50	0642600000
<b>Mounting screw</b>		
FKSC M5X8 D9/SW2.5	50	0295900000
FKSC M6X12 D9/SW3	50	0353500000

The TST terminal rail support serves to install terminal rails in the frame or using a cut-out. For the terminal rail supports, Weidmüller offers fastening screws with hexagonal socket and an especially low head, such that terminal blocks can also be mounted above the screw.

### Mounting feet



FM 4



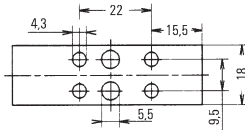
FM 5, FM 6 and FM 4.2: similar to illustrations

Type	Internal thread	Qty.	Order No.
<b>FM 4 foot</b>			
FM 4/TS35		40	0687900000
FM 5/TS35		40	0636800000
FM 6/TS35		40	0636900000
FM 4.2/TS35		40	1724580000

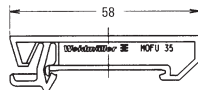
### Mounting feet



MOFU 35/LO/1

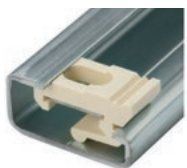


MOFU 35

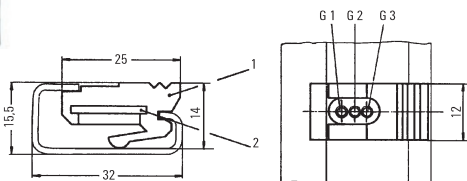


Type	Internal thread	Qty.	Order No.
MOFU 35/LO/1		20	0646260000
MOFU 35		20	0495660000
MOFU 35/LO/1 SW		20	0646210000

### Mounting feet



MB



Type	Internal thread	Qty.	Order No.
MB M3/M5 CRM		20	0503500000
MB M5/M3 SW		20	0553400000
MB M6/M4 GR		20	0334900000

The sliding nuts for the TS 32 terminal rails are each fitted with two threaded holes for M3 + M5/M6 + M4/M5 + M3 screws. They serve to attach components that cannot be directly snapped onto the TS 32 and particularly to hold the smaller TS 15 top-hat rail. For example, small terminal blocks can firstly be snapped onto the TS 15 and then this rail can be attached to the TS 32 using the sliding nuts.

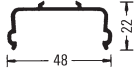

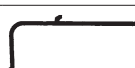




**ADP**

**Cover strips**



Material: unplasticised PVC  
 Supplied in 1 m lengths  
 Temperature limit: max. 70 °C

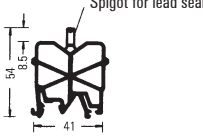
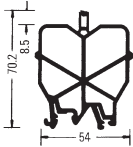
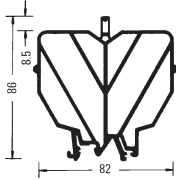
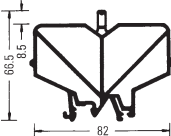
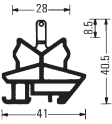
transparent Type	Order No.
ADP 1 	0485200000
ADP 2 	0485300000
ADP 3 	0485400000
ADP 4 (1000 mm) 	1430760000
transparent Type	Order No.
ADP 4 (300 mm) 	1378160000

**HP**

**Retaining plates**



Material: PA 66  
 Thickness: 2 mm

For mounting on TS 35 / TS 32, with spigot for lead seal	
Type	Order No.
HP 1 	0485560000
HP 2 	0485660000
HP 3 	0485760000
HP 4 	0485860000
For mounting on TS 15	
Type	Order No.
HP 7 	0258260000

**Covers**

Overall dimensions	A	A	A	A	B	C
for mounting on terminal rails	TS 32	TS 35 x 7.5	TS 35 x 15	TS 15		
ADP 1, HP 1	61	56	63		49	6
ADP 2, HP 2	77	72	79		62.5	6
ADP 3, HP 3	94	89	86		92	6
ADP 3, HP 4	73.5	68.5	75.5		92	6
Marking materials	Type	Qty.	Order No.			
Card with warning "lightning flash", self adhesive 20 pcs. per card	BEZ-KARTE ADP	10	0566700000			

## Systemised marking

### For optimised processes

Your primary expectation of a marking system is that it clearly shows how your components are configured. This includes an accurate printed image, ease of use and usability in an industrial environment. You need data entry and administration software to provide optimum support. During marker output, the speed should be adaptable to your needs. In order to provide the right marking solution for all products at all time, we have built up a unique overall system of markers, printers and software. The tailored range of products ensures precise identification throughout the whole panel – or, for short, systemised marking.

#### Our promise

Our harmonised system of software, markers and printers allows you to optimise processes – from entering your data to the finished marker for the individual panel configuration. You have a clear overview to allow clear identification of panel components.

More detailed information on our marking system is available at [www.weidmueller.com/markung](http://www.weidmueller.com/markung)

Order data is available in our online catalogue. Enter the code #01223 into the search box on our website to go to the markers and printers directly.

#### Flexible printing on plastic and metal markers with inkjet printer

The MultiCard concept is our standard for modern, innovative identification and marking systems. With over 270 variants, it offers neutral plastic markers in a standardised card format for all Weidmüller terminal blocks and terminal blocks from other manufacturers. We also offer the appropriate marker options for the simple and quick connection of conductors, cables and devices.

Use our PrintJet ADVANCED inkjet printer for quick clear labelling of large volumes. Its precise colouring and thermal fixing ensure continuous and robust identification. MetalliCard formats made of aluminium and stainless steel can also be printed just as securely. Its wide range of applications and flexibility allows this printer to provide standard-compliant and efficient marking. Depending on the requirements, it is operated either with our user-friendly planning software M-Print® PRO or as a standalone solution with saved templates using a USB stick.



### Endless marking with MultiMark and the thermo-transfer printer

The MultiMark terminal markers are endless material with a special stamped pattern. This means they can be rotated easily, which is ideal for compensating tolerances in long terminal blocks. The MultiMark formats are printed using the compact, modular THM MPP thermo-transfer printer which offers high levels of flexibility. The optional cutting and perforation option enables the endless material to be cut to any length. This makes cutting and assigning the relevant labels very simple. The THM MMP is also the ideal printer when it comes to printing fabric and polyester labels, shrink sleeves and PLC labels. The major benefit: you can make all the labels in and around the panel using just one printer.

### Highlight

The THM MPP thermo-transfer printer is a compact all-rounder with an intuitive touch-screen display and status indicator, making it easy to operate in 22 languages. Its compact design and weight of just 3.5 kg means it can also be easily used outside the workshop.

## Made for professional work

### One-stop shopping for quality tools

You need them for wiring and testing, for commissioning and maintenance – tools are a constant companion when it comes to panel building. They need to sit well in the hand and guarantee consistently high workmanship even after many working cycles. Our quality tools are a choice that will bring you happiness for a long time. Our range includes proficient manual tools for cutting, stripping, crimping, testing and screwing, as well as machines and accessories. From installation of the terminal blocks to installation of delicate electronic components, you can find the right tool for all applications from us.

#### Our promise

Weidmüller tools were developed with the aim of making your work easier, optimising working processes and thus increasing productivity in panel building. The perfect coordination of terminal blocks, wire-end ferrules and conductors guarantees the best possible working results.

Detailed information on our range of tools is available at [www.weidmueller.com/tools](http://www.weidmueller.com/tools)

Order data is available in our online catalogue. Enter the code #01225 into the search box on our website to go to the tools directly.

#### The right quality tool for every stage of the process

##### Cutting

With our robust cutting tools, you can rely on smooth, straight cuts with no deformation of the conductor. Whether you need to cut copper or aluminium cables with small or large cross-sections, the mechanical drive and specific cutting shape allow really ergonomic work.

##### Stripping

Our precision tools specialise in stripping and sheath stripping of cables to guarantee reliable results. The wide product range is perfectly tailored to insulation and the wire cross-section and guarantees perfect wiring for all sorts of cable types.

##### Crimping

Our selection of crimping tools fits a wide range of conductors, wire-end ferrules and contacts. This ensures optimum processing quality in all applications. The result is stable, long-lasting connections which meet all relevant international standards and regulations.

##### Testing and measuring

From voltage testers through clamp-on meters, use our complete range of testing and measuring instruments for precise results. Besides the highest possible reliability for optimum application protection, the devices provide impressively easy handling.

##### Pliers

Our range of ESD pliers meets all national and international testing standards. The special material of the handles prevents electrostatic discharge. And the ergonomic design of the pliers allows fatigue-free work.



### Screwing

High torques and optimum transfer of axial force – our manual and battery-powered torque screwdrivers enable exact, effective work with high levels of repeat accuracy. They are available in four sizes to fit all hands and requirements.

### Automatic machines

Automating individual work stages such as cutting to length, stripping and crimping helps increase efficiency. With our robust, user-friendly machines for cable processing, you reduce installation times and minimise production costs.

### Wire-end ferrules and cable connectors

With our wire-end ferrules and insulated cable connectors, you guarantee safe connections in the long term. We provide these accessories to match our components and tools in various versions and colour alternatives.

### Highlight

Real added value for you: you can have your tools regularly tested and maintained in our in-house tool certification office. This allows you to guarantee consistent functionality and quality.

## For every industry and every application

# Klippon® Protect enclosure system

## gives safety and protection to connection solutions

Enclosures fulfil an important safety function and prove their worth every day, even under the toughest of conditions. All industries have their own specific requirements in terms of enclosure technology – from machine construction through transport and energy engineering to the process industry. At the same time, the enclosures must meet the strict requirements with respect to the necessary international approvals. Our Klippon® Protect enclosure system covers all approvals required for use in industrial and explosive risk zones. It is also so flexible that it allows optimum adaptation to your requirements.

### Our promise

The flexible Klippon® Protect enclosure system forms the perfect addition to our Klippon® Connect range of terminal blocks. You can rely on our assembled enclosure assemblies which are optimised to your requirements and offer excellent protection. Individual services round off our range to provide you with optimum process support.

More detailed information on our wide range of Klippon® Protect enclosure systems can be found at [www.weidmuller.com/klipponprotect](http://www.weidmuller.com/klipponprotect)

Order data is available in our online catalogue. Enter the code **#01227** into the search box on our website to go to Klippon® Protect directly.

### Universal range

Whether it is stainless steel, aluminium or plastic, the universal enclosures from Klippon® Protect offer your assembly excellent protection in industrial or explosive risk zones. With these robust enclosures in the relevant degrees of protection, you can implement various field applications to suit your requirements. The matching system accessories enable simple integration, expansion and customisation.

### Application range

Our Klippon® Protect application products are designed for specific protection requirements in the field. These include application solutions for monitoring and safety, measurement and control technology and power distribution. The basis for these application solutions is formed by high quality and comprehensive approvals for explosive risk zones. You can obtain enclosure solutions such as distributor housings, terminal boxes and command and messaging devices from a single source and with a consistent enclosure design – for maximum safety, reliable functionality and low follow-up costs for maintenance, replacement and storage.

### Services

Our assembly services combine consultancy, application expertise and industry know-how to offer you a tailored solution. We provide you with exclusively developed and produced enclosures. This helps your plant fulfil the highest standards of safety, quality and performance against international



competition. You can benefit from our one-stop-shop production quality to reduce your costs, increase efficiency and simplify quality management.

Even with individually assembled products, we guarantee quick, quality-focused production and order-based product availability. From small quantities to complete location supplies: everything is available where you need it within a short space of time.

#### Online selection assistant

Whatever application you are planning – we deliver housing designs to fit a range of different applications. In order to make this process even more efficient, we offer a modular system from which you can put together your own individual enclosure design. To do this, simply use our online product assistant: **#01221**

#### Highlight

Control Station is a real highlight of our application range. This customer-specific assembled enclosure is a robust “on-site control station” and is perfect for emergency stop applications. It is used when it comes down to the safe switch-off of system components, such as in the process industry or machine construction.

# Materials

You can always rely on the high quality of the metals and insulating materials we use: they are subject to strict monitoring through a DIN EN ISO 9001 certified quality management system.

A high level of quality assurance is essential for us to always offer you first grade products. Starting with the quality management of our products based on ISO 9000 ff. through to permanent monitoring by independent institutes who monitor our production facilities, as well as quality management and our in-house laboratory. You therefore benefit from maximum reliability and durability!

### Accredited test laboratory

Reliability of technical data is of the highest priority for the user. Accreditation in accordance with DIN EN ISO/IEC 17025 through an external, independent institution (Deutsche Akkreditierungsstelle für Technik GmbH) attests to the competence of the laboratory to perform tests on terminal blocks, connectors, electronic equipment, including EMC and environmental testing. So you can be sure our products can be used everywhere – worldwide.



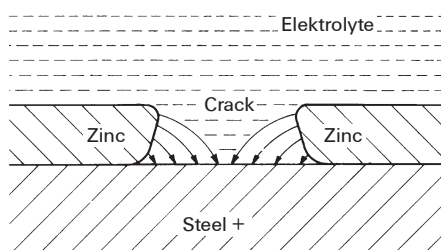


# Metals

The metals we use are selected and processed with their surfaces treated according to the latest technical knowledge. In addition, our welding area is certified in accordance with DIN EN ISO 3834-3 for fusion welding of metal-based materials.

## Steels

Steel ensures mechanical stability for all our connection systems. In order to permanently maintain the contact force, the steel parts are electrogalvanised and provided with additional passivation by means of a chromate layer. The advantage of surface protection with zinc lies in the high corrosion protection effect. It is also effective for a long time, even after the zinc coating has been partially damaged by scratches or pores. Furthermore, in the presence of an electrolyte, zinc acts as a cathode (i.e. negative) with respect to steel. The metal ions of the zinc migrate to the steel. This protects the underlying material from attack.



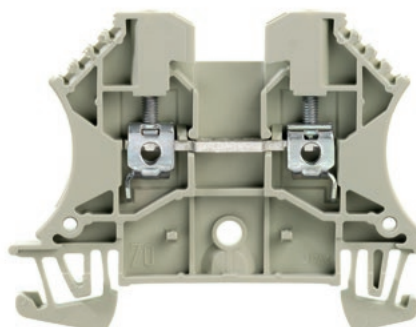
The surface protection ensures a high contact force, even in the presence of cracks

## Conductive substances

The current-carrying materials copper, brass and bronze are characterised by high conductivity plus good mechanical properties. The surfaces are usually coated with zinc. Besides corrosion protection, this ensures high contactability, which leads to low contact resistance. Solder connections also have a zinc layer. In order to guarantee long-term solderability, an additional nickel coating is applied to the brass parts as a diffusion barrier. The nickel coating provides effective protection against outward diffusion of zinc atoms from the brass.

## Connections proven a million times

Two materials are perfectly suited for our connection systems: steel provides for mechanical stability and copper for electrical conductivity. The terminal units consist of hardened steel – for very high contactability. The current bars are made of copper and ensure low voltage drops.



Whether rigid or flexible conductors, with or without wire-end ferrules – the right copper conductor is available for every connection system

# Insulating materials

Insulating materials tailored to the respective application ensure that our products optimally meet your requirements. In the selection of materials, we take care in ensuring high environmental compatibility: the insulating materials we use are free from hazardous substances such as cadmium and colour pigments based on heavy metals, as well as substances forming dioxins and furans.

## Material

### Ceramic

### Duroplasts

Material	Plastic/abbreviation	Ceramic	Gemin KrG	Epoxy resin (EP)
			Ceramic is an excellent material for electronics because it meets all requirements. Ceramic is heat resistant, water repellent, spark resistant and certified against leakage current. Thanks to its high mechanical strength, low loss factor and high heat resistance, the material has a high chemical stability and is favoured because of its minimal wear.	Duroplasts have high dimensional stability, low water absorption, extremely good tracking resistance and outstanding fire resistance.  The continuous operating temperature is higher than that of thermoplastics. The deformation resistance of the duroplasts under elevated thermal load is better than for thermoplastics.  A disadvantage compared with thermoplastics is the low flexibility of duroplasts.
		Insulating material	Melamine resin moulding compound MF type 150 (DIN EN ISO 14 528) inorganic filler	Epoxy resin with inorganic filler
Colour		white	medium yellow	black
Description		<ul style="list-style-type: none"> <li>• Top continuous operating temperature</li> <li>• High fire resistance</li> <li>• Liquid-repellent</li> <li>• High tracking resistance</li> <li>• Inherent flame protection</li> </ul>	<ul style="list-style-type: none"> <li>• High constant operating temperature</li> <li>• High fire resistance</li> <li>• High tracking resistance</li> <li>• Inherent flame protection</li> <li>• Halogen-free flame retardant material</li> </ul>	<ul style="list-style-type: none"> <li>• Very good electrical properties</li> <li>• Very high constant operating temperature</li> <li>• Resistant against high-energy radiation</li> <li>• Halogen and phosphorous-free flame retardant</li> </ul>
Properties				
Volume resistance acc. to IEC 60093	$\Omega \times \text{cm}$	-	$10^{11}$	$10^{14}$
Dielectric strength acc. to IEC 60243-1	kV/mm	> 10	10	160
Tracking resistance (A) acc. to IEC 60112	CTI	$\geq 600$	$\geq 600$	$\geq 600$
Upper max. permissible limit temperature	°C	250	130	160
Lower max. permissible limit temperature (static)	°C	-60	-60	-60
Flammability acc. to UL 94		V-0 (5 V-B)	V-0 (5 V-A)	V-0
Flammability characteristics acc. to German railway standard				

## Thermoplastics

Wemid	Polyamide (PA)	Polyamide (PAGF)	Polybutylene terephthalate (PBT)	Polycarbonate (PC)
<p><b>Wemid</b> is a modified thermoplastic which has properties tailored to meet the requirements of our line connectors. Advantages over PA are the improved fire protection and the higher continuous operating temperature. Wemid meets the strict requirements for use in railway vehicles acc. to NF F 16-101.</p>	<p><b>Polyamide (PA)</b> is one of the most widely used engineering plastics. The advantages of this substance are its good electrical and mechanical properties, its flexibility and lack of fracture susceptibility. In addition, PA offers good fire resistance on account of its chemical structure, even without the addition of flame retardants.</p>	<p><b>Glass-fibre reinforced polyamide (PAGF)</b> offers outstanding dimensional stability and very good mechanical properties. This makes a difference when used as an end bracket. As compared to non-reinforced PA, this material has flammability rating HB according to UL 94.</p>	<p><b>Thermoplastic polyester (PBT)</b> offers excellent dimensional stability (hence its use in plug connectors) and a high constant operating temperature. Compared to other insulating materials, the creepage-current resistance is lower.</p>	
Special Weidmüller insulating material	Insulating material	Insulating material	Depending on application with or without glass fibre reinforcement	Depending on application with or without glass fibre reinforcement
<b>dark beige</b>	<b>beige</b>	<b>beige</b>	<b>orange</b>	<b>grey</b>
<ul style="list-style-type: none"> <li>• Higher continuous operating temperature</li> <li>• Improved fire resistance</li> <li>• Halogen- and phosphorus-free flame retardant</li> <li>• Low smoke produced in the event of fire</li> <li>• Permitted for use in railway applications acc. to NF F 16-101</li> </ul>	<ul style="list-style-type: none"> <li>• Flexible, lack of fracture susceptibility</li> <li>• Good electrical and mechanical characteristics</li> <li>• Self-extinguishing characteristic</li> <li>• Halogen-free flame retardant material</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent dimensional stability</li> <li>• Very good mechanical characteristics</li> <li>• Halogen-free flame retardant material</li> </ul>	<ul style="list-style-type: none"> <li>• High dimensional stability</li> <li>• Good electrical and mechanical characteristics</li> <li>• Flame retardant that does not form dioxins or furans</li> </ul>	<ul style="list-style-type: none"> <li>• High dimensional stability</li> <li>• High continuous operating temperature</li> <li>• High electrical insulation properties</li> <li>• Halogen-free flame retardant material</li> </ul>
10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>13</sup>	10 <sup>16</sup>
25	30	30	28	≥ 30
600	600	500	200	≥ 175
130	100	100	115 / 130	115 / 125
-60	-50	-50	-50	-50
V-0	V-2	HB	V-0	V-2 / V-0
I2 / F2 *)				I2 / F2
*) also certified to LUL E 1042				

## Relevant standards – an overview

Standards have the status of a recommendation and are not legally binding. They serve to ensure the safety of systems and represent the acknowledged state of the art. We therefore always recommend compliance with the contents – irrespective of agreements and customer requirements.

### **The Low Voltage Directive IEC/EN 61439**

Since November 2014, IEC/EN 61439 has replaced the previously applicable standard IEC/EN 60439 for low-voltage switchgear and controlgear assemblies. It comprises seven parts:

1. General rules for low-voltage switchgear and controlgear assemblies (SCA)
2. Power switchgear and controlgear assemblies (PSC)
3. Distribution boards
4. Assemblies for construction sites
5. Cable distribution cabinets
6. Busbar distribution systems
7. Assemblies for marinas, camping sites, electric vehicles charging stations (preliminary standard)

In order to confirm compliance with IEC/EN 61439, it is important that you always refer to Part 1 and one of the following parts. The standard is addressed to every manufacturer and operator of switchgear and controlgear assemblies (SCA) up to 1,000 V AC and 1,500 V DC. Irrespective of whether you assemble the SCA stationary or mobile, with or without enclosure system.

### **The low-voltage switchgear standard IEC/EN 60947-1**

This standard applies for industrial low-voltage switchgear assemblies used in circuits up to 1,000 V AC or 1,500 V DC. It defines the general rules and requirements for low-voltage switchgear assemblies. This includes, for example, the definition, characteristic features, information to be supplied, normal conditions for operation, installation and transport as well as requirements for the construction and verification of characteristic features and behaviour.

## Interaction between the standards

### IEC/EN 61439 for switchgear and controlgear assemblies

With the withdrawal of the previous version on 23 September 2014, the DIN EN 61439: 20 0-06 standard for “Low-voltage switchgear and controlgear assemblies” – Part 1: General rules became binding for the switchgear and controlgear assemblies defined. This standard includes a series of changes that you have to consider as a switchgear manufacturer. However, these changes have no direct influence on the components, such as terminal blocks, which have to comply with the relevant product standard.

### The importance of DIN EN 61439 for components

Components that meet the requirements of the applicable product standard are suitable for direct use in switchgear systems. They must, however, take the definitions of standard series DIN EN 61439 into consideration.

The properties required from DIN EN 61439-1 are covered by the product standard for terminal blocks EN 60947-7-1(2, 3). As an aid for the required design verification for switchgear and controlgear assemblies, the following table provides you with further information on terminal blocks. Additional design verification is not required for individual items of equipment or components.

### Summarised

- IEC/EN 61439 is a new series of standards for the construction of switchgear and controlgear systems
- With the design verification, you as the manufacturer provide evidence for the suitability of the system
- You still confirm conformity with the standard by signing the EC Declaration of Conformity

## Low-voltage switchgear and controlgear assembly

### Original manufacturer

1.

#### Design verification

A combination of the variants is also conceivable

Variant 1: **Testing**

Variant 2: **Appraisal (incl. calculation)**

Variant 3: **Comparison with reference construction**

### Low-voltage switchgear and controlgear assemblies

2.

#### Manufacturer of the switchgear and controlgear assemblies

Switchgear manufacturer

Variant 1:  
**Comparison with a reference construction without changes**

The manufacturer of the switchgear and controlgear assemblies does not become the original manufacturer

Variant 2:  
**Original system with changes**

The manufacturer of the switchgear and controlgear assemblies becomes the original manufacturer

Design verification for changes

### Routine verification

#### 3. Switchgear and controlgear assemblies ready for operation

Guidelines for the construction of a switchgear and controlgear assemblies in accordance with the standard

# Checklist design verification according to IEC/EN 61439

## Design verification for terminal blocks and their accessories

Nr.	Characteristics to be proved	Section	Adaptability for terminal blocks																																				
1	Strength of material and parts: <ul style="list-style-type: none"> <li>• Corrosion resistance</li> </ul> properties of insulation material: <ul style="list-style-type: none"> <li>• Thermal stability</li> <li>• Resilience to extreme heat and fire due to internal electrical effects</li> <li>• Resistance to UV radiation</li> <li>• Lifting</li> <li>• Impact test</li> <li>• Marking</li> </ul>	10.2 10.2.2 10.2.3 10.2.3.1 10.2.3.2 10.2.4 10.2.5 10.2.6 10.2.7	The requirements refer exclusively to cabinets for switchgear. Terminal blocks are designated for the installation in appropriate cabinets.  The requirements refer exclusively to parts of the switchgear and controlgear assembly. Inserted components like terminal blocks are not affected. Terminal blocks are designated for the installation in cabinets, thus not relevant Terminal blocks are designated for the installation in cabinets, thus not relevant Terminal blocks are designated for the installation in cabinets, thus not relevant Terminal blocks bear the inscriptions, like it is determined in section 5 of the product standard.																																				
2	Degree of protection and enclosures	10.3	Terminal blocks are designated for the installation in cabinets, thus not relevant																																				
3	Clearances	10.4	The required clearances are based on EN 60664-1 and are identical with the values for the dimensioning of terminal blocks according to EN 60947-7-1(2, 3).																																				
4	Creepage distances	10.4	The required creepage distances are based on EN 60664-1 and are identical with the values for the dimensioning of terminal blocks according to EN 60947-7-1(2, 3).																																				
5	<ul style="list-style-type: none"> <li>• Protection against electric shock and integrity of protective circuits</li> <li>• Effective continuity between the exposed conductive parts of the assembly and the protective circuit</li> <li>• Short-circuit withstand strength of the protective circuit</li> </ul>	10.5 10.5.2 10.5.3	Covered by the type test for modular PE conductor terminals according to EN 60947-7-2. The quality and consistency of the PE conductor connection has to be verified by resistance measurement at the end use.  Not relevant, has to be judged in the end use. PE conductor terminals are subjected to a test of short-time withstand current in the context of the type test according to EN 60947-7-2.																																				
6	Installation of equipment	10.6	Installation and tight fit of terminal blocks is secured by the requirements and relevant tests according to the product standard.																																				
7	Internal circuits and connections	10.7	Not relevant, has to be judged in the end use for terminal blocks.																																				
8	Connections for conductors inserted from outside	10.8	Secured by selection of the terminal block as well as its type test according to EN 60947-7-1(2). The final assessment has to be made in the end use.																																				
9	Insulation properties: <ul style="list-style-type: none"> <li>• Operating frequency dielectric strength</li> <li>• Surge voltage strength</li> </ul>	10.9 10.9.2 10.9.3	Tests to the insulation properties are part of the dimensioning of type tested terminal blocks according to EN 60947-7-1(2). The verification for the switchgear and controlgear assembly takes place in the end use for the terminal blocks.																																				
10	Temperature rise limits	10.10	The rated values for terminal blocks according to EN 60947-1(2, 3) can be used for the dimensioning of the temperature rise limits. The verification has to be provided for the respective application, e.g. by measurement or calculation. The calculation of the terminal block's power dissipation can take place in the application by means of the electrical resistance as a function of current: $P_{\text{loss}} = R_{\text{max}} \cdot I^2$  Following maximum resistances per electrical potential according to EN 60947-7-1(2, 3) subject to the cross section for the terminal block are permitted: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tbody> <tr> <td style="text-align: left;">Cross section/mm<sup>2</sup></td> <td>1.5</td> <td>2.5</td> <td>4</td> <td>6</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> </tr> <tr> <td style="text-align: left;">Electrical resistance/mΩ</td> <td>1.83</td> <td>1.33</td> <td>1.00</td> <td>0.78</td> <td>0.56</td> <td>0.42</td> <td>0.32</td> <td>0.26</td> </tr> <tr> <td style="text-align: left;">Cross section/mm<sup>2</sup></td> <td>50</td> <td>70</td> <td>95</td> <td>120</td> <td>150</td> <td>185</td> <td>240</td> <td>300</td> </tr> <tr> <td style="text-align: left;">Electrical resistance/mΩ</td> <td>0.21</td> <td>0.17</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> <td>0.06</td> </tr> </tbody> </table>	Cross section/mm <sup>2</sup>	1.5	2.5	4	6	10	16	25	35	Electrical resistance/mΩ	1.83	1.33	1.00	0.78	0.56	0.42	0.32	0.26	Cross section/mm <sup>2</sup>	50	70	95	120	150	185	240	300	Electrical resistance/mΩ	0.21	0.17	0.14	0.12	0.10	0.09	0.08	0.06
Cross section/mm <sup>2</sup>	1.5	2.5	4	6	10	16	25	35																															
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Electrical resistance/mΩ	0.21	0.17	0.14	0.12	0.10	0.09	0.08	0.06																															
11	Short-circuit withstand strength	10.11	<p><b>For cross sections up to 35 mm<sup>2</sup></b></p> <p>In sectors after current-limiting (5ms) protection devices &lt;100 A (fort I<sub>cp</sub> &lt;10 kA) At an unaffected short-circuit current of the grid I<sub>cp</sub> ≤ 10 kA (in front of the switchgear), a forward current I<sub>D</sub> with maximum 17 kA will arise with an upstream protection device. According to the section 10.11.2 of EN 61439-1, the switchgear manufacturer does not have to provide evidence in this case. This requirement is fulfilled by protection devices up to 100 A equipment (application of up to 35 mm<sup>2</sup> terminal blocks).</p> <p><b>For cross sections from 50 mm<sup>2</sup></b></p> <p>In sectors after current-limiting (5 ms) protection devices ≤ 630 A (I<sub>cp</sub> &gt; 10 kA) At an unaffected short-circuit current of the grid I<sub>cp</sub> &gt; 10 kA (in front of the switchgear), a forward current I<sub>D</sub> will flow of up to the period of 5 ms with an upstream protection device. The switchgear manufacturer has to provide evidence for the maximum forward current I<sub>D</sub> by declaration of the terminal block's I<sub>pk</sub> (surge current strength, which the terminal block is able to conduct without being destroyed).</p>																																				
12	Electromagnetic compatibility	10.12	Not relevant, because terminal blocks are seen as passive components according to the product standard EN 60947-7-1(2, 3).																																				
13	Mechanical operation	10.13	Not relevant																																				

# Technical requirements from the standards

## Rated cross-section

The rated cross-section of a terminal block is the value of the connectable wire cross-section, as specified by the manufacturer. This serves as a reference for certain thermal, mechanical and electrical requirements. The rated cross-section is selected from the following standard cross-sections: 0.2 – 0.5 – 0.75 – 1.0 – 1.5 – 2.5 – 4.0 – 6.0 – 10 – 16 – 25 – 35 – 50 – 70 – 95 – 120 – 150 – 240 – 300 mm<sup>2</sup>.

Terminal blocks have a rated connection capacity that is at least two levels lower than the rated cross-section. The conductors can be solid, stranded or flexible, possibly with conductor end pretreatment. The verification of the rated cross-section is performed with gauges according to IEC 60947-1.

## Rated current IEC 60947-7-1

Test currents are assigned to the rated cross-sections according to IEC 60947-7-1. These rated currents cause no impermissible heat transfer to the terminal:

mm <sup>2</sup>	1.5	2.5	4.0	6.0
A	17.5	24	32	41

mm <sup>2</sup>	10	16	25	35
A	57	76	101	125

mm <sup>2</sup>	50	70	95	120
A	150	192	232	269

mm <sup>2</sup>	150	185	240	300
A	309	353	415	520

## Conventional free-air thermal current (I<sub>th</sub>)

The conventional thermal current in free air (I<sub>th</sub>) is the highest test current for heating tests of unenclosed devices (see 4.3.2.1 of IEC 60947-1.) This applies exclusively to terminal blocks with multiple connection levels (multi-tier terminals) and to test-disconnect terminal blocks for which current reduction is permissible.

## Rated voltage IEC 60947-7-1

The rated voltage of a terminal block is the rated insulation voltage to which the insulation tests and creepage distances relate. It is determined analogously to IEC 60664-1.

## Rated surge voltage IEC 60947-7-1

The rated surge voltage is the peak value of a surge voltage with which the terminal blocks can be subjected. The clearance distances in IEC 60947-1 and IEC 60664-1 are related to it.

## Pollution severity IEC 60947-7-1

The pollution severity defines the influence of solid, liquid or gaseous foreign matter, which may reduce the dielectric strength or the specific surface resistance. Pollution severity 3 has been specified for terminal blocks for industrial applications: conductive contamination occurs on dry, non-conductive contamination which becomes conductive as moisture condensation may also occur. The minimum air clearance measurement is defined in IEC 60947-7-1 in conjunction with the rated surge voltage.

## Operating conditions

The terminal blocks can be operated under the following normal conditions:

- Ambient temperature –5 °C to +40 °C, mean value 24 h +35 °C
- Altitude up to 2000 m above sea level
- Relative humidity: 50 % at +40 °C, 90 % at +20 °C

# Testing the contact security

## Construction requirements

IEC 60947-7-1 requires that clamping points must ensure a reliable mechanical and electrical connection with permanent contact.

## Tests

Standardised tests offer you the assurance that wired connections comply with the required conditions. IEC 60947-7-1 stipulates a series of tests for wire connections in terminal blocks. One or more terminals of a particular type are tested for agreement with certain limit values. These include:

- Insulation test
- Evidence of the voltage drop
- Testing of the short-time withstand current capacity
- Aging testing for terminal blocks with tension clamp, insulation displacement and PUSH IN connection technology

## Special testing

Beyond the stipulated scope of type testing, further tests can be performed at your own discretion or in agreement with the user.

## Contact security

The high level of contact security and reliability are verified with our systems using various tests (see table).



### 1 Type testing acc. to IEC 60947-7-1

### 2 Stricter Weidmüller tests

#### 2.1 Mechanical tests:

- Vibration testing to Weidmüller requirements
- Natural resonance characteristics acc. to IEC 60068-2-6
- Shock and vibration testing acc. to BV 0440/... and BV 0430/

#### 2.2 Environmental testing:

- Cold testing acc. to EN 60068-2-1
- Damp heat (steady state) acc. to IEC 60512-6 test 11c
- Damp heat (steady state) acc. to IEC 60068-2-30
- Damp heat (cyclic) acc. to IEC 60068-2-30
- Salt spray testing acc. to IEC 60068-2-11
- Sulphur dioxide SO<sub>2</sub> acc. to IEC 60068-2-42
- Hydrogen sulphide H<sub>2</sub>S acc. to IEC 60068-2-43
- Gas tightness acc. to IEC 605 12\_6\_PR 11n

### 3 National and international approvals

### 4 Practice, i.e. the use of systems in harsh areas of application in industry, e.g. Ex applications



# Protection against inadvertent, direct touching, of hazardous live parts

## **Touch-safe protection acc. to IEC 60529**

The IP protection class, for example, IP20 against direct touching, relates to electrical equipment intended for installation in claddings. It is usually protected against direct (accidental) touching by fingers. Touch-safe protection acc. to IEC 60529 is therefore satisfied. You can test it acc. to IEC 61032 in all actuating directions by using a jointed test finger with a force of 10 N.

## **Finger safety according to DIN EN 61031**

Finger safety is satisfied if, according to EN 61032, the straight test finger does not touch any hazardous parts in the actuating direction. You conduct this test with conductors of the rated cross-section connected.

## **Back of hand safety according to EN 61032**

Back of hand safety is satisfied if, according to EN 61032, a sphere of diameter 50 (+0.01) mm with a force of 50 ( $\pm 5$ ) N does not touch any hazardous parts.

## **Actuation conditions according to IEC 60947-7-3**

IEC 60947-7-3 paragraph 7.1.8 specifies that fuse terminal blocks must be constructed in such a way that live parts cannot be touched. Finger safety for live parts of the cartridge fuse must be maintained while the cartridge fuse is replaced. If it is necessary to maintain protection against electric shock, label with "line-load" or arrows that indicate the energy flow direction.

### **In general:**

Not all installation components have to be configured touch-safe, as in the example of terminal blocks. A touch-safe construction is only required if these components are arranged in a direct radius of 30 mm around the operation elements and the system cannot be insulated (exception allowed on the basis of the construction using accessories in each case).

## Terminal blocks in the Ex environment

Harsh industrial environments and explosive risk zones, such as in the oil and gas industry, make extreme demands on safety, robustness and quality of products and devices. Numerous standards describe what has to be considered in Ex environments. They serve as the basis for extensive approvals.

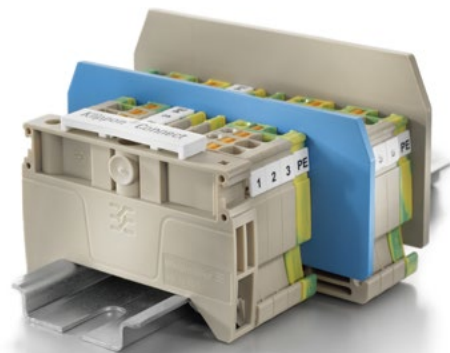


### Issuing of the type examination certificate

Notified bodies issue you EC/EU type examination certificates in accordance with EN 60079-0/60079-7 and the ATEX Directive. EU type examination certificates in accordance with Directive 94/9/EC are also recognised under the new Directive 2014/34/EU. By issuing the Production Quality Assurance Notification, a notified body confirms that the requirements of the ATEX Directive are fulfilled according to Annexes IV and VII.

### Confirmed according to the European Ex Directive Basic principles

The basic provisions for terminal blocks and PE terminal blocks are IEC 60947-7-1 (EN 60 947-7-1 / VDE 0611T.1) and IEC 60 947-7-2 (EN 60 947-7-2 / VDE 0611T.3). EN 60079-0 is applicable for use in explosive risk zones and in case of elevated safety "e" EN 60079-7.



### Terminal blocks in the Ex environment

According to EN 60079-0, Ex terminal blocks are "Ex components". By definition, these are components required for the safe operation of devices and protection systems, without fulfilling an autonomous function, however. They are approved for explosion protection type "e" and, according to the European ATEX Directive, they are not identified with the CE mark.

### Electrical data

The values of current-carrying capacity specified in the catalogue relate to an ambient temperature of 40 °C. On loading with a rated current +10 %, the current bar of the terminal blocks heats up by a maximum of 40 K. Taking a further safety margin from EN 60079-0 into account, the following definitions arise:

Temperature class	Ambient temperature
General	-60 to +110 °C
T6	-60 to +40 °C
T5	-60 to +55 °C
T4	-60 to +70 °C

The permitted nominal current must be reduced accordingly if the actual ambient temperature is higher. The continuous operating temperature according to EN 60079-0 for the material KrG is 130 °C, for Wemid 130 °C and for the material PA 80 °C.

#### Identification

##### ATEX-directive: Ⓜ II 2 GD

- Ⓜ Ex equipment
- II 2-G device group II category 2  
(Zone 1 equipment)
- II 2-D device group II category 2  
(Zone 21 equipment)

##### EN 60079-7: Ex e II

- Ex Explosion protection
- e Increased safety
- II Equipment group

##### DEMKO 14ATEX1338U (example)

- DEMKO Notified body
- ATEX Conformity with ATEX Directive
- U Component

### Accessories

The accessories you can use is listed in the Ex certificates. To adhere to the creepage and clearance distances for Ex e, use terminations and partition plates.

### Design and accessories for Ex i

Terminal blocks for intrinsically-safe circuits ("i") are passive components. Therefore, for use in intrinsically-safe circuits, you do not need a type examination certificate. We recommend blue terminals for clear identification and easy recognition. These, as well as the accessories, have to comply with the type according to EN 60079-11.

### Clamping capacity of two conductors under Ex e

In case of the terminal block with screw connection (W-Series), it is generally permissible to also connect two conductors per clamping point, provided this is verified in the scope of type testing according to IEC 60947-7-1 and 60947-7-2. It is important to be sure that two of the same cross-sections are used below the rated cross-section.

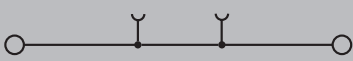
### ATEX directives

Since July 1, 2003, all new facilities in explosion risk zones must be certified according to ATEX Directive 94/9/EC or ATEX 95 (ATEX: ATmosphère EXplosive = explosive atmosphere). This directive is one of the "New Approach" directives. It is valid in all countries of the European Economic Area ("EEA"), as well as Iceland, Lichtenstein and Norway. In these countries, the directive refers to the sale and commissioning of products which have been designed particularly for high explosion risk environments (where explosive atmospheres exist due to gases, vapours, mists or dusts).

Directive 94/9/EC was superseded on April 20, 2016 by the directive 2014/34/EU.

# Definitions of design types

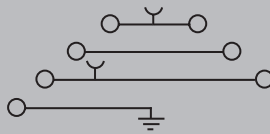
## Feed-through terminal blocks



**Functional description:**

A feed-through terminal block is suitable for joining and/or connecting conductors and can have one or more connection levels that are insulated against one another.

## Multi-tier distribution terminal blocks



**Functional description:**

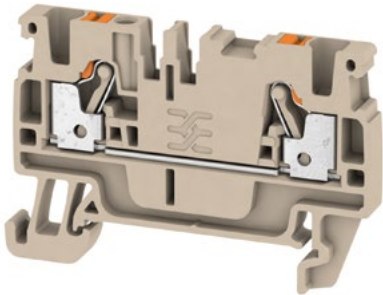
Multi-tier distribution terminal blocks have several connection levels and are used to join and/or connect external, neutral and protective earth conductors with a conducting PE connection to the mounting support plate. The N conductor can be disconnected to measure the insulation.

## PE terminal blocks



**Functional description:**

PE terminal blocks establish the electrical and mechanical connection between copper conductors and the mounting support plate. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.



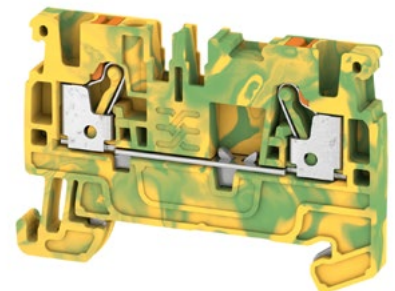
**Relevant standards:**

- IEC 60947-7-1 / EN 60947-7-1



**Relevant standards:**

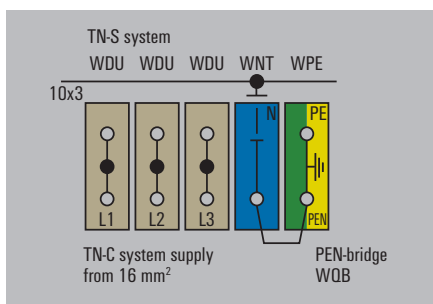
- IEC 60947-7-1
- IEC 60947-7-2
- DIN VDE 0611-4



**Relevant standards:**

- IEC 60947-7-1 / EN 60947-7-1

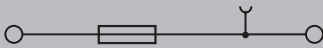
C



**PEN function**

For the PEN function application, it is only permissible to use copper terminal rails according to IEC 60947-7-2.

### Fuse terminal blocks



#### Functional description:

Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.



#### Relevant standards:

- IEC 60947-7-3  
in conjunction with VDE 0636
- IEC 60127-2

### Test disconnect terminal blocks



#### Functional description:

You can use test disconnect terminal blocks to test and measure electric circuits in the absence of voltage. While the disconnecting point's clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.



#### Relevant standards:

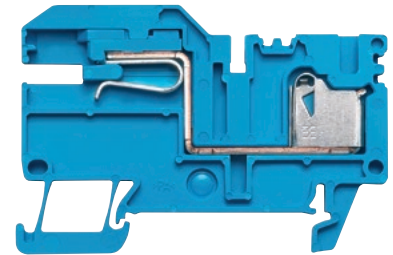
- IEC 60947-7-1

### Neutral conductor disconnect terminal blocks



#### Functional description:

Neutral conductor disconnect terminal blocks have one longitudinal disconnect for connection to a neutral conductor busbar. The longitudinal disconnect is used to measure the insulation resistance against earth. It also enables simple testing without any need to disconnect the neutral conductor.



#### Relevant standards:

- IEC 60947-7-1

### Using TS 35 × 15

TS 35 × 15 terminal rails for PE terminal blocks with a minimum rated cross-section of 16 mm<sup>2</sup> guarantee compliance with the required current-carrying capacity.



# Service and support

<b>Service and support</b>	Our expertise for your requirements	V.2
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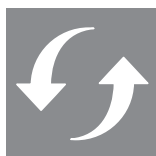
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A2T 1.5 VL BL	2471450000	A.14	A4C 2.5 GN	1521770000	A.66	AEB 35 SC/1	1991920000	A.17	AEP 3C 10/16 BL	2490540000	A.13
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A2T 2.5 3C BL	2531510000	A.17	A4C 2.5 OR	1521720000	A.66	AEB 35 SC/1	1991920000	A.19	AEP 3C 2.5	1521510000	A.23
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A3C 1.5	1552740000	A.66	A4C 4 GN	2051580000	A.66	AEB 35 SC/1	1991920000	A.39	AEP 3T 2.5	2428560000	A.19
A3C 1.5 BK	2534230000	A.66	A4C 4 LTGY	2051670000	A.66	AEB 35 SC/1	1991920000	A.40	AEP 3T 2.5	2428560000	A.30
A3C 1.5 BL	1552770000	A.6	A4C 4 OR	2051540000	A.66	AEB 35 SC/1	1991920000	A.41	AEP 3T 2.5 BL	2428860000	A.18
A3C 1.5 BL	1552770000	A.66	A4C 4 PE	2051560							

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
AEP 4C 4 BL	2051910000	A.41	AMG ELM-Q2266	2081820000	B.78	APG 1.5/10	2482430000	A.45	APGTB 1.5 FT 3C/1 BL	2482190000	A.45
AEP AP11	1988320000	B.48	AMG ELM-Q4444	2080880000	B.78	APG 1.5/10	2482430000	A.46	APGTB 1.5 FT 4C/2	2482200000	A.45
AEP AP11	1988320000	B.49	AMG ELM-Q6666	2080920000	B.78	APG 1.5/10	2482430000	A.47	APGTB 1.5 FT 4C/2 BL	2482210000	A.45
AEP AP12	1988300000	B.54	AMG EP 2010	2495380000	B.91	APG 1.5/10	2482430000	A.52	APGTB 1.5 PE 2C/1	2482220000	A.44
AEP AP12	1988300000	B.55	AMG EP KIT	2500760000	B.91	APG 1.5/2	2482350000	A.52	APGTB 1.5 PE 3C/1	2482230000	A.45
AEP AP13	1990140000	B.50	AMG FIM-O	2081870000	B.70	APG 1.5/3	2482360000	A.52	APGTB 1.5 PE 4C/2	2482240000	A.46
AEP AP13	1990140000	B.51	AMG FIM-O EX	2082530000	B.82	APG 1.5/3-BG-BL-GN	2482460000	A.52	APGTB 2.5 2T 4C/2	1548060000	A.50
AEP AP14	1988340000	B.56	AMG FIM-C	2081880000	B.71	APG 1.5/4	2482370000	A.52	APGTB 2.5 2T 4C/2 BL	1548070000	A.50
AEP AP14	1988340000	B.57	AMG FIM-C EX	2082540000	B.83	APG 1.5/4-3BG-GN	2482450000	A.52	APGTB 2.5 2T FT-PE 4C/2	1548130000	A.51
AEP AP21	2429020000	B.62	AMG MD	2122930000	B.72	APG 1.5/5	2482380000	A.52	APGTB 2.5 2T PE 4C/2	1548160000	A.51
AEP AP21	2429020000	B.63	AMG MD	2122930000	B.73	APG 1.5/5-3BG-BL-GN	2482440000	A.52	APGTB 2.5 2T VL 4C/2	1548140000	A.51
AEP AP21	2429020000	B.64	AMG MD	2122930000	B.75	APG 1.5/6	2482390000	A.52	APGTB 2.5 2T VL 4C/2 BL	1548150000	A.51
AEP AP22	2429040000	B.66	AMG MD	2122930000	B.76	APG 1.5/7	2482400000	A.52	APGTB 2.5 FT 2C/1	1513970000	A.48
AEP AP22	2429040000	B.67	AMG MD	2122930000	B.77	APG 1.5/8	2482410000	A.52	APGTB 2.5 FT 2C/1 BL	1513990000	A.48
AEP DT 2.5 3C	1989970000	A.39	AMG MD	2122930000	B.81	APG 1.5/9	2482420000	A.52	APGTB 2.5 FT 3C/1	1514000000	A.49
AEP DT 2.5 3C	1989970000	A.40	AMG MD	2122930000	B.84	APG 2.5 L	1513830000	A.48	APGTB 2.5 FT 3C/1 BL	1514020000	A.49
AEP DT 2.5 4C	1989980000	A.40	AMG MD	2122930000	B.85	APG 2.5 L	1513830000	A.49	APGTB 2.5 FT 4C/2	1514030000	A.49
AEP DT 2.5 4C	1989980000	A.41	AMG MD	2122930000	B.86	APG 2.5 L	1513830000	A.50	APGTB 2.5 FT 4C/2 BL	1514040000	A.49
AEP IO21	1993580000	B.124	AMG MD	2122930000	B.87	APG 2.5 L	1513830000	A.51	APGTB 2.5 PE 2C/1	1513870000	A.48
AEP IO21	1993580000	B.125	AMG MD EX	2495040000	B.90	APG 2.5 L	1513830000	A.54	APGTB 2.5 PE 3C/1	1513890000	A.49
AEP IO22	1993590000	B.125	AMG OD	2122910000	B.72	APG 2.5 L BL	1513840000	A.54	APGTB 2.5 PE 4C/2	1513920000	A.50
AEP IO23	1993600000	B.125	AMG OD	2122910000	B.73	APG 2.5 L GN	1513850000	A.54	APP 1	2488970000	A.57
AEP MC 2.5	2433820000	A.20	AMG OD	2122910000	B.75	APG 2.5 MI	1513880000	A.48	APP 2	2489090000	A.57
AEP MC 2.5	2433820000	B.44	AMG OD	2122910000	B.76	APG 2.5 MI	1513880000	A.49	APP 3	2489100000	A.57
AEP PGTB 1.5 4C/2	2482510000	A.45	AMG OD	2122910000	B.77	APG 2.5 MI	1513880000	A.50	APP 4	2489110000	A.57
AEP PGTB 1.5 4C/2	2482510000	A.46	AMG OD	2122910000	B.81	APG 2.5 MI	1513880000	A.51	ATPG 1.5 MI-R	1991880000	A.6
AEP PGTB 1.5 4C/2 BL	2482520000	A.45	AMG OD	2122910000	B.84	APG 2.5 MI	1513880000	A.54	ATPG 1.5 MI-R	1991880000	A.7
AEP PGTB 2.5 4C/2	1514450000	A.49	AMG OD	2122910000	B.85	APG 2.5 MI BL	1513900000	A.54	ATPG 1.5 MI-R	1991880000	A.14
AEP PGTB 2.5 4C/2	1514450000	A.50	AMG OD	2122910000	B.86	APG 2.5 MI GN	1513930000	A.54	ATPG 1.5 MI-R	1991880000	A.15
AEP PGTB 2.5 4C/2 BL	1514470000	A.49	AMG OD	2122910000	B.87	APG 2.5 R	1513940000	A.48	ATPG 1.5 MI-R	1991880000	A.22
AFS 2.5 CF 2C 12V BK	2466610000	A.34	AMG OD EX	2495090000	B.90	APG 2.5 R	1513940000	A.49	ATPG 1.5 MI-R	1991880000	A.23
AFS 2.5 CF 2C 24V BK	2466600000	A.34	AMG PD	2122920000	B.72	APG 2.5 R	1513940000	A.50	ATPG 1.5 MI-R	1991880000	A.29
AFS 2.5 CF 2C BK	2466630000	A.34	AMG PD	2122920000	B.73	APG 2.5 R	1513940000	A.51	ATPG 1.5 MI-R	1991880000	A.65
AFS 4 2C 10-36V BK	2429870000	A.35	AMG PD	2122920000	B.75	APG 2.5 R	1513940000	A.54	ATPG 1.5 MI-R	1991880000	B.124
AFS 4 2C 100-250V BK	2434390000	A.35	AMG PD	2122920000	B.76	APG 2.5 R BL	1513950000	A.54	ATPG 1.5 MI-R	1991880000	B.125
AFS 4 2C 30-70V BK	2434350000	A.35	AMG PD	2122920000	B.77	APG 2.5 R GN	1513980000	A.54	ATPG 1.5 L	1991890000	A.6
AFS 4 2C 60-150V BK	2434380000	A.35	AMG PD	2122920000	B.81	APG 2.5/1	1513720000	A.48	ATPG 1.5 L	1991890000	A.7
AFS 4 2C BK	2429860000	A.35	AMG PD	2122920000	B.84	APG 2.5/1	1513720000	A.49	ATPG 1.5 L	1991890000	A.8
AFS 4 2C BK/BL	2548140000	A.35	AMG PD	2122920000	B.85	APG 2.5/1	1513720000	A.50	ATPG 1.5 L	1991890000	A.9
AH WDT 2.5 BT	1305230000	A.290	AMG PD	2122920000	B.86	APG 2.5/1	1513720000	A.51	ATPG 1.5 L	1991890000	A.10
AIO21 1.5 SI	1992260000	B.124	AMG PD	2122920000	B.87	APG 2.5/1	1513720000	A.52	ATPG 1.5 L	1991890000	A.11
AIO21 1.5 SO	1992240000	B.124	AMG PD EX	2495070000	B.90	APG 2.5/10	1513770000	A.48	ATPG 1.5 L	1991890000	A.13
AIO21 1.5 SO-PE	1992250000	B.125	AMG PP	2123000000	B.91	APG 2.5/10	1513770000	A.49	ATPG 1.5 L	1991890000	A.14
AIO22 1.5 SI-PE	1992230000	B.125	AMG XMD	2122940000	B.78	APG 2.5/10	1513770000	A.50	ATPG 1.5 L	1991890000	A.15
AIO23 1.5 ZSI	1992220000	B.125	AMG XMD	2122940000	B.81	APG 2.5/10	1513770000	A.51	ATPG 1.5 L	1991890000	A.16
AKE 2.5	1303360000	A.249	AMG XMD EX	2495080000	B.90	APG 2.5/10	1513770000	A.52	ATPG 1.5 L	1991890000	A.17
AK 4	0380260000	A.250	AP AKZ1.5	0340560000	A.218	APG 2.5/2	1513640000	A.52	ATPG 1.5 L	1991890000	A.18
AKZ 1.5	0340460000	A.218	AP AKZ1.5 BL	0340580000	A.218	APG 2.5/3	1513650000	A.52	ATPG 1.5 L	1991890000	A.19
AKZ 1.5 BL	0340480000	A.218	AP AKZ2.5	0697360000	A.220	APG 2.5/3-BG-BL-GN	1513620000	A.52	ATPG 1.5 L	1991890000	A.22
AKZ 2.5	0697160000	A.220	AP AKZ2.5 BL	0697380000	A.220	APG 2.5/4	1513670000	A.52	ATPG 1.5 L	1991890000	A.23
AKZ 2.5 BL	0697180000	A.220	AP AKZ4	0294460000	A.222	APG 2.5/4-3BG-GN	1513790000	A.52	ATPG 1.5 L	1991890000	A.24
AKZ 4	0294360000	A.222	AP AKZ4 BL	0294480000	A.222	APG 2.5/5	1513680000	A.52	ATPG 1.5 L	1991890000	A.25
AKZ 4 BL	0294380000	A.222	AP DL12.5 DB	1783550000	B.128	APG 2.5/5-3BG-BL-GN	1513780000	A.52	ATPG 1.5 L	1991890000	A.26
ALD 16	2502280000	A.13	AP DL12.5 DB	1783550000	B.129	APG 2.5/6	1513690000	A.52	ATPG 1.5 L	1991890000	A.27
ALD 16 BL	2502320000	A.13	AP DL12.5 DB	1783550000	B.130	APG 2.5/7	1513700000	A.52	ATPG 1.5 L	1991890000	A.29
ALD 6	1991780000	A.11	AP DL12.5 DB	1783550000	B.131	APG 2.5/8	1513730000	A.52	ATPG 1.5 L	1991890000	A.30
ALD 6 BL	2065120000	A.11	AP KDKS1 DB	9532470000	A.276	APG 2.5/9	1513740000	A.52	ATPG 1.5 L	1991890000	A.38
AMC 2.5	2434340000	A.20	AP KDKS1 DB	9532470000	A.277	APGCE	1514490000	A.52	ATPG 1.5 L	1991890000	A.39
AMC 2.5	2434340000	B.44	AP MAK2.5 DB	7917000000	A.247	APGCE	1514490000	A.55	ATPG 1.5 L	1991890000	A.40
AMC 2.5 800V	2434370000	A.20	AP MAK2.5 DB	7917000000	B.43	APGCE	1514490000	A.290	ATPG 1.5 L	1991890000	A.41
AMC 2.5 800V	2434370000	B.44	AP VLI1.5 DB	1784150000	A.247	APGCE	1514490000	A.291	ATPG 1.5 L	1991890000	A.65
AMG AM	2081890000	B.79	AP VLI1.5 DB	1784150000	B.43	APGCE	1514490000	A.292	ATPG 1.5 L	1991890000	B.48
AMG AM CO	2082770000	B.88	AP WMF2.5	1142990000	B.138	APGLE 1.5	2482720000	A.52	ATPG 1.5 L	1991890000	B.49
AMG CM	2081900000	B.80	AP WMF2.5	1142990000	B.139	APGLE 1.5	2482720000	A.55	ATPG 1.5 L	1991890000	B.50
AMG CM EX	2083360000	B.89	AP WMF2.5	1142990000	B.140	APGLE 2.5	2457570000	A.52	ATPG 1.5 L	1991890000	B.54
AMG DIS	2123050000	B.72	AP WMF2.5	1142990000	B.141	APGLE 2.5	2457570000	A.55	ATPG 1.5 L	1991890000	B.55
AMG DIS	2123050000	B.73	AP WMF2.5	1142990000	B.142	APGLE 2.5	2457570000	A.290	ATPG 1.5 L	1991890000	B.56
AMG DIS	2123050000	B.75	AP WMF2.5	1142990000	B.143	APGLE 2.5	2457570000	A.291	ATPG 1.5 L	1991890000	B.62
AMG DIS	2123050000	B.76	AP WMF2.5	1142990000	B.146	APGLE 2.5	2457570000	A.292	ATPG 1.5 L	1991890000	B.63
AMG DIS	2123050000	B.77	AP ZDR2.5	1745420000	A.172	APGPC 1.5	2482530000	A.52	ATPG 1.5 L	1991890000	B.124
AMG DIS	2123050000	B.81	AP ZRV1.5 DB	1698180000	A.186	APGPC 1.5	2482530000	A.55	ATPG 1.5 L	1991890000	B.125
AMG DIS	2123050000	B.84	AP ZRV2.5	1906980000	A.187	APGPC 2.5	1514500000	A.52	ATPG 10 MI-R	1991870000	A.12
AMG DIS	2123050000	B.85	APG 1.5 L	2482250000	A.44	APGPC 2.5	1514500000	A.55	ATPG 10 MI-R	1991870000	A.65
AMG DIS	2123050000	B.86	APG 1.5 L	2482250000	A.45	APGSR 1.5	2482730000	A.52	ATPG 2.5 MI-R	1991960000	A.7
AMG DIS	2123050000	B.87	APG 1.5 L	2482250000	A.46	APGSR 1.5	2482730000	A.55	ATPG 2.5 MI-R	1991960000	A.8
AMG DIS EX	2495100000	B.90	APG 1.5 L	2482250000	A.47	APGSR 1.5/4	2482740000	A.52	ATPG 2.5 MI-R	1991960000	A.16
AMG ELM-10D CO	2082470000	B.77	APG 1.5 L	2482250000	A.54	APGSR 1.5/4	2482740000	A.55	ATPG 2.5 MI-R	1991960000	A.17
AMG ELM-10F	2080650000	B.73	APG 1.5 L BL	2482260000	A.54	APGSR 1.5/8	2482750000	A.52	ATPG 2.5 MI-R	1991960000	A.18
AMG ELM-10F EX	2082430000	B.85	APG 1.5 L GN	2482270000	A.54	APGSR 1.5/8	2482750000	A.55	ATPG 2.5 MI-R	1991960000	A.19
AMG ELM-12	2080410000	B.76	APG 1.5 MI	2482280000	A.44	APGSR 2.5	2457580000	A.52	ATPG 2.5 MI-R	1991960000	A.23
AMG ELM-12 EX	2082010000	B.87	APG 1.5 MI	2482280000	A.45	APGSR 2.5	2457580000	A.55	ATPG 2.5 MI-R	1991960000	A.24
AMG ELM-1F	2080420000	B.72	APG 1.5 MI	2482280000	A.46	APGSR 2.5	2457580000	A.290	ATPG 2.5 MI-R	1991960000	A.29
AMG ELM-1F CL2	2491270000	B.74	APG 1.5 MI	2482280000	A.47	APGSR 2.5	2457580000	A.291	ATPG 2.5 MI-R	1991960000	A.30
AMG ELM-1F EX	2082040000	B.84	APG 1.5 MI	2482280000	A.54	APGSR 2.5	2457580000	A.			

Type	Order No.	Page
ATPG 2.5/3	2041190000	A.41
ATPG 2.5/3	2041190000	A.65
ATPG 2.5/5	2041180000	A.7
ATPG 2.5/5	2041180000	A.8
ATPG 2.5/5	2041180000	A.16
ATPG 2.5/5	2041180000	A.17
ATPG 2.5/5	2041180000	A.18
ATPG 2.5/5	2041180000	A.19
ATPG 2.5/5	2041180000	A.23
ATPG 2.5/5	2041180000	A.24
ATPG 2.5/5	2041180000	A.38
ATPG 2.5/5	2041180000	A.39
ATPG 2.5/5	2041180000	A.40
ATPG 2.5/5	2041180000	A.41
ATPG 2.5/5	2041180000	A.65
ATPG 4 MI-R	1991860000	A.8
ATPG 4 MI-R	1991860000	A.9
ATPG 4 MI-R	1991860000	A.25
ATPG 4 MI-R	1991860000	A.26
ATPG 4 MI-R	1991860000	A.41
ATPG 4 MI-R	1991860000	A.65
ATPG 6 MI-R	1991930000	A.10
ATPG 6 MI-R	1991930000	A.26
ATPG 6 MI-R	1991930000	A.27
ATPG 6 MI-R	1991930000	A.65

## B

BA RC ZPS2.5	1908560000	A.195
BA ZPS2.5	1908560000	A.195
BEST	1833100000	A.86
BEST	1833100000	A.87
BEST	1833100000	A.88
BEST	1833100000	A.170
BEST	1833100000	A.171
BEST	1833100000	A.185
BEST	1833100000	A.215
BEST	1833100000	A.280
BEST	1833100000	A.281
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BEST	1833100000	A.283
BEST	1833100000	A.288
BEST	1833100000	A.289
BEST	1833100000	B.139
BEST	1833100000	B.140
BEST	1833100000	B.141
BEST	1833100000	B.142
BEST	1833100000	B.143
BEST	1833100000	B.176
BEST	1833100000	B.177
BEST/D	1878560000	A.86
BEST/D	1878560000	A.87
BEST/D	1878560000	A.88
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BEST/D	1878560000	A.185
BEST/D	1878560000	A.215
BEST/D	1878560000	A.280
BEST/D	1878560000	A.281
BEST/D	1878560000	A.282
BEST/D	1878560000	A.283
BEST/D	1878560000	A.288
BEST/D	1878560000	A.289
BEST/D	1878560000	B.139
BEST/D	1878560000	B.140
BEST/D	1878560000	B.141
BEST/D	1878560000	B.142
BEST/D	1878560000	B.143
BEST/D	1878560000	B.176
BEST/D	1878560000	B.177
BEST/DRBR	1878570000	A.86
BEST/DRBR	1878570000	A.87
BEST/DRBR	1878570000	A.88
BEST/DRBR	1878570000	A.170
BEST/DRBR	1878570000	A.171
BEST/DRBR	1878570000	A.185
BEST/DRBR	1878570000	A.215
BEST/DRBR	1878570000	A.280
BEST/DRBR	1878570000	A.281
BEST/DRBR	1878570000	A.282
BEST/DRBR	1878570000	A.283
BEST/DRBR	1878570000	A.288
BEST/DRBR	1878570000	A.289
BEST/DRBR	1878570000	B.139
BEST/DRBR	1878570000	B.140
BEST/DRBR	1878570000	B.141
BEST/DRBR	1878570000	B.142
BEST/DRBR	1878570000	B.143
BEST/DRBR	1878570000	B.176
BEST/DRBR	1878570000	B.177
BEZ-KARTE ADP	0566700000	C.21
BEFH 1/WSH	1082400000	B.153
BFEH + BEMU WEW WTL 35	1964820000	B.120
BFSC M3X22 SAKT4	1319900000	B.98
BFSC M4X30	0267100000	C.12
BFSC M4X9T	0103300000	A.272
BFSC M4X9T	0103300000	A.273

Type	Order No.	Page
BFSC M4X9T	0103300000	C.12
BFSC M5X8 Schlitz	0296700000	C.12
BK 12 CRN	0625230000	A.309
BK 12/E	7906100000	A.310
BK 2 CRN	0624720000	A.309
BK 2/E	7906040000	A.310
BK 3 CRN	0624820000	A.309
BK 3/E	7906060000	A.310
BK 4 CRN	0625120000	A.309
BK 4/E	7906080000	A.310
BK 6 CRN	0625220000	A.309
BK 6/E	7906090000	A.310
BLZ/SL KO BK BX 1885	1545710000	B.144
BLZ/SL KO OR BX	1573010000	B.144
BLZP 5.08HC/02/90 SN BK BX	1948240000	B.144
BLZP 5.08HC/02/90 SN BK BX	1948000000	B.144
BLZP 5.08HC/02/90F SN BK BX	1950040000	B.145
BLZP 5.08HC/02/90F SN OR BX	1949800000	B.145
BLZP 5.08HC/04/180 SN OR BX	1943600000	A.298
BLZP 5.08HC/04/180F SN OR BX	1944110000	A.298
BLZP 5.08HC/04/90 SN BK BX	1948260000	B.144
BLZP 5.08HC/04/90 SN OR BX	1948020000	B.144
BLZP 5.08HC/04/90F SN BK BX	1950060000	B.145
BLZP 5.08HC/04/90F SN OR BX	1949820000	B.145
BLZP 5.08HC/06/180 SN OR BX	1943620000	A.298
BLZP 5.08HC/06/180F SN OR BX	1944130000	A.298
BLZP 5.08HC/08/180 SN OR BX	1943640000	A.298
BLZP 5.08HC/08/180F SN OR BX	1944150000	A.298
BLZP 5.08HC/08/90 SN BK BX	1948300000	B.144
BLZP 5.08HC/08/90 SN OR BX	1948060000	B.144
BLZP 5.08HC/08/90F SN BK BX	1950100000	B.145
BLZP 5.08HC/08/90F SN OR BX	1949860000	B.145
BLZP 5.08HC/12/90 SN BK BX	1948340000	B.144
BLZP 5.08HC/12/90 SN OR BX	1948110000	B.144
BLZP 5.08HC/12/90F SN BK BX	1950140000	B.145
BLZP 5.08HC/12/90F SN OR BX	1949900000	B.145
BLZP 5.08HC/16/90 SN BK BX	1948380000	B.144
BLZP 5.08HC/16/90 SN OR BX	1948150000	B.144
BLZP 5.08HC/16/90F SN BK BX	1950180000	B.145
BLZP 5.08HC/16/90F SN OR BX	1949940000	B.145
BS 25 IH/BL SAKT1	0335400000	B.109
BS 25 IH/GE SAKT1	0335700000	B.104
BS 25 IH/GE SAKT1	0335700000	B.104
BS 25 IH/GE SAKT1	0335700000	B.109
BS 25 IH/GE SAKT1	0335700000	B.110
BS 25 IH/GE SAKT1	0335700000	B.112
BS 25 IH/GN SAKT1	0335600000	B.94
BS 25 IH/GN SAKT1	0335600000	B.100
BS 25 IH/GN SAKT1	0335600000	B.104
BS 25 IH/GN SAKT1	0335600000	B.109
BS 25 IH/GN SAKT1	0335600000	B.110
BS 25 IH/GN SAKT1	0335600000	B.112
BS 25 IH/GR SAKT1	0335300000	B.109
BS 25 IH/RT SAKT1	0335500000	B.109
BS 25 IH/SW SAKT1	0335200000	B.109
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BS 25 IH/VI SAKT1	0335800000	A.104
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BS 25 IH/VI SAKT1	0335800000	B.110
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BS 35II KLBUE2X3-8/2X2-6	1768020000	B.156
BS 35II KLBUE3-8	1723810000	B.156
BS 35II KLBUE3-8/2X2-6	1749430000	B.156
BS 35II KLBUE 4-13.5	1723820000	B.156
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BTWZ KLBUE	1742630000	B.159
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BZT 1 WS 10/5	1805490000	A.213
BZT 1 ZA WS 10/5	1805520000	A.94
BZT 1 ZA WS 10/5	1805520000	A.213
BZT 2 WS 10/5	1805480000	A.94
BZT 2 WS 10/5	1805480000	A.213
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BZT PRV8 BL 35X7.5	1267970000	B.137
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BZT ZVL1.5/O.ZA	1676620000	B.127

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DEK 5/3.5 MC NE WS	1755270000	A.121
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DEK 5/3.5 MC NE WS	1755270000	A.240
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KOSF ZT2.5	1816150000	A.184
KOSF ZT2.5	1816150000	A.193
KOSF ZT4	1856880000	A.178
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KOSF ZT4	1856880000	A.294
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KSBR/2 ZTL6	1717820000	B.97
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PAD 16/4	1916170000	A.94
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PAD 16/4	1916170000	B.173
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PAD 2.5/4/4	1916150000	A.78
PAD 2.5/4/4	1916150000	A.79
PAD 2.5/4/4	1916150000	A.82
PAD 2.5/4/4	1916150000	A.94
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PAP PTL/PSI 6/10	1165320000	B.94
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SDIL 0.6x3.5x100	904211000	A.38
SDIL 0.6x3.5x100	904211000	A.39
SDIL 0.6x3.5x100	904211000	A.40
SDIL 0.6x3.5x100	904211000	A.41
SDIL 0.6x3.5x100	904211000	A.48
SDIL 0.6x3.5x100	904211000	A.49
SDIL 0.6x3.5x100	904211000	A.50
SDIL 0.6x3.5x100	904211000	A.51
SDIL 0.6x3.5x100	904211000	B.44
SDIL 0.6x3.5x100	904211000	B.55
SDIL 0.6x3.5x100	904211000	B.57
SDIL 0.6x3.5x100	904211000	B.63
SDIL 0.6x3.5x100	904211000	B.64
SDIL 0.6x3.5x100	904211000	B.67
SDIL 1.0x5.5x125	904213000	A.10
SDIL 1.0x5.5x125	904213000	A.11
SDIL 1.0x5.5x125	904213000	A.12
SDIL 1.0x5.5x125	904213000	A.13
SDIL 1.0x5.5x125	904213000	A.26
SDIL 1.0x5.5x125	904213000	A.27
SDIL 1.0x5.5x125	904213000	B.48
SDIL 1.0x5.5x125	904213000	B.49
SDIL 1.0x5.5x125	904213000	B.50
SDIL 1.0x5.5x125	904213000	B.54
SDIL 1.0x5.5x125	904213000	B.55
SDIL 1.0x5.5x125	904213000	B.56
SDIL 1.0x5.5x125	904213000	B.62
SDIL 1.0x5.5x125	904213000	B.66
SDIS 0.4X2.0X60	920569000	B.49
SDIS 0.4X2.0X60	920569000	B.51
SDIS 0.4X2.5X75	900837000	B.178
SDIS 0.4X2.5X75	900837000	B.179
SDIS 0.4X2.5X75	900837000	B.180
SDIS 0.4X2.5X75	900837000	B.181
SDIS 0.4X2.5X75	900837000	B.182
SDIS 0.4X2.5X75	900837000	B.183
SDIS 0.5X3.0X100	900838000	B.184
SDIS 0.5X3.0X100	900838000	B.185
SDIS 0.6X3.5X100	900839000	A.171
SDIS 0.6X3.5X100	900839000	A.247
SDIS 0.6X3.5X100	900839000	B.43
SDIS 0.6X3.5X100	900839000	B.144
SDIS 0.6X3.5X100	900839000	B.162
SDIS 0.6X3.5X100	900839000	B.198
SDIS 0.6X3.5X100	900839000	B.199
SDIS 0.8X4.0X100	900840000	B.119
SDIS SL 0.6X3.5X100	127466000	A.98
SDIS SL 0.6X3.5X100	127466000	A.99
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SDIS SL 0.6X3.5X100	127466000	A.106
SDIS SL 0.6X3.5X100	127466000	A.107
SDIS SL 0.6X3.5X100	127466000	A.108
SDIS SL 0.6X3.5X100	127466000	A.109
SDIS SL 0.6X3.5X100	127466000	A.114
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SDIS SL 0.6X3.5X100	127466000	A.137
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SDIS SL 0.6X3.5X100	127466000	A.144
SDIS SL 0.6X3.5X100	127466000	A.145
SDIS SL 0.6X3.5X100	127466000	A.146
SDIS SL 0.6X3.5X100	127466000	A.148
SDIS SL 0.6X		

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
SDS 0.5X3.0X80	9008320000	A.72	SIHA 1/G20	9537550000	A.281	SKS 2,0-8,0 MR	9008870000	B.8	ST 4000/L J2 M10	1809370000	A.347
SDS 0.5X3.0X80	9008320000	A.74	SIHA 1/G20	9537550000	A.287	SKS 2,0-8,0 MR	9008870000	B.9	ST 4000/L J2 M12	1809400000	A.347
SDS 0.5X3.0X80	9008320000	A.75	SIHA 1/G20	9537550000	A.324	SKS 2,0-8,0 MR	9008870000	B.10	ST 4000/L J3 M10	1809410000	A.347
SDS 0.5X3.0X80	9008320000	A.78	SIHA 1/G20 10-36V	9537560000	A.281	SKS 2,0-8,0 MR	9008870000	B.11	ST 4000/L J4 M10	1809390000	A.347
SDS 0.5X3.0X80	9008320000	A.79	SIHA 1/G20 10-36V	9537560000	A.287	SKS 2,0-8,0 MR	9008870000	B.12	ST 4000/L J4 M12	1809420000	A.347
SDS 0.5X3.0X80	9008320000	A.80	SIHA 1/G20 10-36V	9537560000	A.324	SKS 2,0-8,0 MR	9008870000	B.16	ST 4000/L M10	1809150000	A.347
SDS 0.5X3.0X80	9008320000	A.82	SIHA 2/G20 10-36V	9543070000	A.172	SKS 2,0-8,0 MR	9008870000	B.17	ST 4000/L M12	1809170000	A.347
SDS 0.5X3.0X80	9008320000	A.84	SIHA 2/G20 140-250V	9537640000	A.172	SKS 2,0-8,0 MR	9008870000	B.18	ST 4000/L M12 F	1809180000	A.347
SDS 0.5X3.0X80	9008320000	A.86	SIHA 3/G20	7921560000	A.86	SKS 2,0-8,0 MR	9008870000	B.19	ST 4000/L P180	1809200000	A.347
SDS 0.5X3.0X80	9008320000	A.87	SIHA 3/G20	7921560000	A.87	SKS 2,0-8,0 MR	9008870000	B.20	ST 4000/L S180	1809480000	A.347
SDS 0.5X3.0X80	9008320000	A.88	SIHA 3/G20	7921560000	A.88	SKS 2,0-8,0 MR	9008870000	B.27	ST 4000/S C130	1809230000	A.346
SDS 0.5X3.0X80	9008320000	A.151	SIHA 3/G20	7921560000	A.95	SKS 2,0-8,0 MR	9008870000	B.28	ST 4000/S CB M10/4	1809260000	A.346
SDS 0.5X3.0X80	9008320000	B.95	SIHA 3/G20	7921560000	A.170	SKS 2,0-8,0 MR	9008870000	B.29	ST 4000/S CB M10/6	1809270000	A.346
SDS 0.5X3.0X80	9008320000	B.174	SIHA 3/G20	7921560000	A.171	SKS 2,0-8,0 MR	9008870000	B.30	ST 4000/S CB M8/4	1809250000	A.346
SDS 0.5X3.0X80	9008320000	B.176	SIHA 3/G20	7921560000	A.185	SKS 2,0-8,0 MR	9008870000	B.31	ST 4000/S E150	1809210000	A.346
SDS 0.5X3.0X80	9008320000	B.177	SIHA 3/G20	7921560000	A.214	SKS 2,0-8,0 MR	9008870000	B.32	ST 4000/S J2 M10	1809340000	A.346
SDS 0.6X3.5X100	9008330000	A.129	SIHA 3/G20	7921560000	A.280	SKS 2,0-8,0 MR	9008870000	B.33	ST 4000/S J2 M8	1809310000	A.346
SDS 0.6X3.5X100	9008330000	A.160	SIHA 3/G20	7921560000	A.281	SM 27/8 K MC NE WS	1812630000	B.159	ST 4000/S J3 M8	1809320000	A.346
SDS 0.6X3.5X100	9008330000	A.167	SIHA 3/G20	7921560000	A.282	SM 27/8 K MC NE WS	1812630000	B.160	ST 4000/S M10	1809130000	A.346
SDS 0.6X3.5X100	9008330000	A.168	SIHA 3/G20	7921560000	A.283	SM 27/8 K MC NE WS	1812630000	B.161	ST 4000/S M10 F	1809140000	A.346
SDS 0.6X3.5X100	9008330000	A.182	SIHA 3/G20	7921560000	A.288	SMSE WF10/2XMG	1868880000	A.333	ST 4000/S M8	1809110000	A.346
SDS 0.6X3.5X100	9008330000	A.203	SIHA 3/G20	7921560000	A.289	SMSE WF10/2XMG	1868880000	A.341	ST 4000/S M8 F	1809120000	A.346
SDS 0.6X3.5X100	9008330000	A.248	SIHA 3/G20	7921560000	A.324	SMSE WSH 135/60 MT	1246990000	B.153	ST 4000/S P150	1809190000	A.346
SDS 0.6X3.5X100	9008330000	A.249	SIHA 3/G20	7921560000	B.138	SMSE WSH U1 MT	1083900000	B.153	ST 4000/S S150	1809470000	A.346
SDS 0.6X3.5X100	9008330000	A.250	SIHA 3/G20	7921560000	B.139	SNAPMARK I	1805880000	A.14	STB 14/D6/4/M3 SAK10	0169900000	B.94
SDS 0.6X3.5X100	9008330000	A.251	SIHA 3/G20	7921560000	B.140	SNAPMARK I	1805880000	A.15	STB 14/D6/4/M3 SAK10	0121420000	B.95
SDS 0.6X3.5X100	9008330000	A.252	SIHA 3/G20	7921560000	B.141	SNAPMARK I	1805880000	A.16	STB 14/D6/4/M3 SAK10	0169900000	B.100
SDS 0.6X3.5X100	9008330000	A.253	SIHA 3/G20	7921560000	B.142	SNAPMARK I	1805880000	A.17	STB 14/D6/4/M3 SAK10	0121420000	B.105
SDS 0.6X3.5X100	9008330000	A.258	SIHA 3/G20	7921560000	B.143	SNAPMARK I	1805880000	A.18	STB 14/D6/4/M3 SAK10	0121420000	B.106
SDS 0.6X3.5X100	9008330000	A.259	SIHA 3/G20	7921560000	B.176	SNAPMARK I	1805880000	A.19	STB 14/D6/4/M3 SAK10	0121420000	B.107
SDS 0.6X3.5X100	9008330000	A.260	SIHA 3/G20	7921560000	B.177	SNAPMARK I	1805880000	A.20	STB 14/D6/4/M3 SAK10	0169900000	B.108
SDS 0.6X3.5X100	9008330000	A.261	SIHA 3/G20/LD 10-36V	7921570000	A.86	SNAPMARK I	1805880000	A.29	STB 21.6/45 BL	1936290000	B.95
SDS 0.6X3.5X100	9008330000	A.274	SIHA 3/G20/LD 10-36V	7921570000	A.87	SNAPMARK I	1805880000	A.74	STB 21.6/45 BL	1936290000	B.105
SDS 0.6X3.5X100	9008330000	A.280	SIHA 3/G20/LD 10-36V	7921570000	A.88	SNAPMARK I	1805880000	A.75	STB 21.6/45 BL	1936290000	B.106
SDS 0.6X3.5X100	9008330000	A.281	SIHA 3/G20/LD 10-36V	7921570000	A.95	SNAPMARK I	1805880000	A.129	STB 21.6/45 BL	1936290000	B.107
SDS 0.6X3.5X100	9008330000	A.282	SIHA 3/G20/LD 10-36V	7921570000	A.170	SNAPMARK I	1805880000	A.134	STB 21.6/45 BL	1936290000	B.109
SDS 0.6X3.5X100	9008330000	A.283	SIHA 3/G20/LD 10-36V	7921570000	A.171	SNAPMARK I	1805880000	A.135	STB 21.6/45 DB	1938790000	B.109
SDS 0.6X3.5X100	9008330000	A.286	SIHA 3/G20/LD 10-36V	7921570000	A.185	SNAPMARK I	1805880000	A.152	STB 21.6/45 GE	1936240000	B.94
SDS 0.6X3.5X100	9008330000	A.287	SIHA 3/G20/LD 10-36V	7921570000	A.214	SNAPMARK I	1805880000	B.44	STB 21.6/45 GE	1936240000	B.95
SDS 0.6X3.5X100	9008330000	A.288	SIHA 3/G20/LD 10-36V	7921570000	A.280	SO SH1	0401460000	C.12	STB 21.6/45 GE	1936240000	B.104
SDS 0.6X3.5X100	9008330000	A.289	SIHA 3/G20/LD 10-36V	7921570000	A.281	SP M6 15 MSZN	3896100000	B.154	STB 21.6/45 GE	1936240000	B.105
SDS 0.6X3.5X100	9008330000	A.290	SIHA 3/G20/LD 10-36V	7921570000	A.282	SP M6 20 MSZN	3896200000	B.154	STB 21.6/45 GE	1936240000	B.106
SDS 0.6X3.5X100	9008330000	A.291	SIHA 3/G20/LD 10-36V	7921570000	A.283	SP M6 30 MSZN	3896300000	B.154	STB 21.6/45 GE	1936240000	B.107
SDS 0.6X3.5X100	9008330000	A.294	SIHA 3/G20/LD 10-36V	7921570000	A.288	SRCl QV P	8870840000	B.134	STB 21.6/45 GE	1936240000	B.109
SDS 0.6X3.5X100	9008330000	A.301	SIHA 3/G20/LD 10-36V	7921570000	A.289	SRCl QV P	8870840000	B.135	STB 21.6/45 GE	1936240000	B.110
SDS 0.6X3.5X100	9008330000	A.302	SIHA 3/G20/LD 10-36V	7921570000	A.324	SRCl QV P	8870840000	B.136	STB 21.6/45 GE	1936240000	B.112
SDS 0.6X3.5X100	9008330000	A.303	SIHA 3/G20/LD 10-36V	7921570000	B.138	SRCl QV P	8870840000	B.137	STB 21.6/45 GN	1936250000	B.94
SDS 0.6X3.5X100	9008330000	A.304	SIHA 3/G20/LD 10-36V	7921570000	B.139	SS M3 D 128-A 3	0164400000	A.262	STB 21.6/45 GN	1936250000	B.95
SDS 0.6X3.5X100	9008330000	A.305	SIHA 3/G20/LD 10-36V	7921570000	B.140	SS M3 D 128-A 3	0164400000	A.263	STB 21.6/45 GN	1936250000	B.104
SDS 0.6X3.5X100	9008330000	B.128	SIHA 3/G20/LD 10-36V	7921570000	B.141	SS M3 D 128-A 3	0164400000	A.264	STB 21.6/45 GN	1936250000	B.105
SDS 0.6X3.5X100	9008330000	B.129	SIHA 3/G20/LD 10-36V	7921570000	B.142	SS M3 D 128-A 3	0164400000	A.265	STB 21.6/45 GN	1936250000	B.106
SDS 0.6X3.5X100	9008330000	B.130	SIHA 3/G20/LD 10-36V	7921570000	B.143	SS M3 D 128-A 3	0164400000	A.269	STB 21.6/45 GN	1936250000	B.107
SDS 0.6X3.5X100	9008330000	B.131	SIHA 3/G20/LD 10-36V	7921570000	B.176	SS M4 D 128-A 4	0136400000	A.272	STB 21.6/45 GN	1936250000	B.109
SDS 0.6X3.5X100	9008330000	B.138	SIHA 3/G20/LD 10-36V	7921570000	B.177	SS M4 D 128-A 4	0136400000	A.273	STB 21.6/45 GN	1936250000	B.110
SDS 0.6X3.5X100	9008330000	B.139	SIHA 3/G20/LD 140-250V	7921600000	A.86	SSCH 10X3X1000 CU/SN	0348900000	B.150	STB 21.6/45 GN	1936250000	B.112
SDS 0.6X3.5X100	9008330000	B.140	SIHA 3/G20/LD 140-250V	7921600000	A.87	SSCH 10X3X1000 CU/SN	0348900000	B.151	STB 21.6/45 GR	1936280000	B.109
SDS 0.6X3.5X100	9008330000	B.141	SIHA 3/G20/LD 140-250V	7921600000	A.88	SSCH 10X3X1000 CU/SN	0348900000	B.152	STB 21.6/45 RT	1936300000	B.109
SDS 0.6X3.5X100	9008330000	B.142	SIHA 3/G20/LD 140-250V	7921600000	A.95	SSCH 10X3X1000 CU/SN	0348900000	B.153	STB 21.6/45 SW	1936270000	B.104
SDS 0.6X3.5X100	9008330000	B.143	SIHA 3/G20/LD 140-250V	7921600000	A.170	SSCH 10X3X1000 CU/SN	0348900000	B.174	STB 21.6/45 SW	1936270000	B.109
SDS 0.6X3.5X100	9008330000	B.144	SIHA 3/G20/LD 140-250V	7921600000	A.171	SSCH 10X3X1000 CU/SN	0348900000	B.175	STB 21.6/45 SW	1936270000	B.110
SDS 0.6X3.5X100	9008330000	B.159	SIHA 3/G20/LD 140-250V	7921600000	A.185	SSCH 10X3X1000 CU/SN	0348900000	B.180	STB 21.6/45 SW	1936270000	B.112
SDS 0.6X3.5X100	9008330000	B.160	SIHA 3/G20/LD 140-250V	7921600000	A.214	SSCH 10X3X1000 CU/SN	0348900000	B.181	STB 21.6/45 VI	1936260000	B.94
SDS 0.6X3.5X100	9008330000	B.161	SIHA 3/G20/LD 140-250V	7921600000	A.280	SSCH 10X3X1000 CU/SN	0348900000	B.182	STB 21.6/45 VI	1936260000	B.95
SDS 0.6X3.5X100	9008330000	B.190	SIHA 3/G20/LD 140-250V	7921600000	A.281	SSCH 10X3X1000 CU/SN	0348900000	B.183	STB 21.6/45 VI	1936260000	B.104
SDS 0.6X3.5X100	9008330000	B.194	SIHA 3/G20/LD 140-250V	7921600000	A.282	SSCH 10X3X1000 CU/SN	0348900000	B.184	STB 21.6/45 VI	1936260000	B.109
SDS 0.6X3.5X100	9008330000	B.195	SIHA 3/G20/LD 140-250V	7921600000	A.283	SSCH 10X3X1000 CU/SN	0348900000	B.185	STB 21.6/45 VI	1936260000	B.110
SDS 0.6X3.5X100	9008330000	B.196	SIHA 3/G20/LD 140-250V	7921600000	A.288	SSCH 10X3X1000 CU/SN	0348900000	B.190	STB 21.6/45 VI	1936260000	B.112
SDS 0.8X4.0X100	9008340000	A.165	SIHA 3/G20/LD 140-250V	7921600000	A.289	SSCH 10X3X1000 CU/SN	0348900000	B.191	STB 21.6/HH/BL WTL6/3	1071080000	B.96
SDS 0.8X4.0X100	9008340000	A.167	SIHA 3/G20/LD 140-250V	7921600000	A.324	SSCH 10X3X1000 CU/SN	0348900000	B.192	STB 21.6/HH/BL WTL6/3	1071080000	B.97
SDS 0.8X4.0X100	9008340000	A.168	SIHA 3/G20/LD 140-250V	7921600000	B.138	SSCH 10X3X1000 CU/SN	0348900000	B.193	STB 21.6/HH/BL WTL6/3	1071080000	B.116
SDS 0.8X4.0X100	9008340000	A.252	SIHA 3/G20/LD 140-250V	7921600000	B.139	SSCH 10X3X1000 CU/SN	0348900000	B.194	STB 21.6/HH/BL WTL6/3	1071080000	B.117
SDS 0.8X4.0X100	9008340000	A.262	SIHA 3/G20/LD 140-250V	7921600000	B.140	SSCH 10X3X1000 CU/SN	0348900000	B.195	STB 21.6/HH/DB WTL6/3	1071000000	B.116
SDS 0.8X4.0X100	9008340000	A.263	SIHA 3/G20/LD 140-250V	7921600000							

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STB 35 IH/BL	038870000	B.108
STB 35 IH/GE	038900000	B.100
STB 35 IH/GE	038900000	B.101
STB 35 IH/GE	038900000	B.102
STB 35 IH/GE	038900000	B.108
STB 35 IH/GN	038890000	B.100
STB 35 IH/GN	038890000	B.101
STB 35 IH/GN	038890000	B.102
STB 35 IH/GN	038890000	B.108
STB 35 IH/GR	038860000	B.108
STB 35 IH/RT	038880000	B.108
STB 35 IH/SW	038850000	B.108
STB 35 IH/VI	038910000	B.100
STB 35 IH/VI	038910000	B.101
STB 35 IH/VI	038910000	B.102
STB 35 IH/VI	038910000	B.108
STB 36.8/H/BL WTL6/1	184779000	B.94
STB 36.8/H/BL WTL6/1	184779000	B.95
STB 36.8/H/BL WTL6/1	184779000	B.104
STB 36.8/H/BL WTL6/1	184779000	B.105
STB 36.8/H/BL WTL6/1	184779000	B.106
STB 36.8/H/BL WTL6/1	184779000	B.109
STB 36.8/H/BL WTL6/1	184779000	B.110
STB 36.8/H/BL WTL6/1	184779000	B.112
STB 36.8/H/DB WTL6/1	184774000	B.95
STB 36.8/H/DB WTL6/1	184774000	B.109
STB 36.8/H/GE WTL6/1	184776000	B.94
STB 36.8/H/GE WTL6/1	184776000	B.95
STB 36.8/H/GE WTL6/1	184776000	B.104
STB 36.8/H/GE WTL6/1	184776000	B.105
STB 36.8/H/GE WTL6/1	184776000	B.106
STB 36.8/H/GE WTL6/1	184776000	B.109
STB 36.8/H/GE WTL6/1	184776000	B.110
STB 36.8/H/GE WTL6/1	184776000	B.112
STB 36.8/H/VI WTL6/1	184778000	B.94
STB 36.8/H/VI WTL6/1	184778000	B.95
STB 36.8/H/VI WTL6/1	184778000	B.104
STB 36.8/H/VI WTL6/1	184778000	B.109
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WEW 35/2	1061200000	B.167	WMF 2.5 FU 100-250V SW	1162960000	B.140	WPD 230 2X50/2X50 BK	2502950000	B.16	WQL 2 WF6	1780970000	A.342
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WEW 35/2	1061200000	B.199	WMF 2.5 FU BLZ 30-70V SW	1163000000	B.143	WPD 231 2X95/2X95 BK	2502740000	B.18	WQL 2 WF8	1780990000	A.334
WEW 35/2	1061200000	B.200	WMF 2.5 FU BLZ 60-150V SW	1163010000	B.143	WPD 231 2X95/2X95 BL	2502710000	B.18	WQL 2 WF8	1780990000	A.342
WEW 35/2	1061200000	B.201	WMF 2.5 FU BLZ PE 10-36V SW	1162830000	B.143	WPD 231 2X95/2X95 BN	2502730000	B.18	WQL 2 WFF120	1065100000	A.337
WEW 35/2	1061200000	C.13	WMF 2.5 FU BLZ PE 100-250V SW	1162860000	B.143	WPD 231 2X95/2X95 GN	2502720000	B.18	WQL 2 WFF120	1065100000	A.338
WEW 35/2	1061200000	C.19	WMF 2.5 FU BLZ PE 30-70V SW	1162840000	B.143	WPD 231 2X95/2X95 GY	2502700000	B.18	WQL 2 WFF120	1065100000	A.342
WEW 35/2 GR 7042	1859200000	C.19	WMF 2.5 FU BLZ PE 60-150V SW	1162850000	B.143	WPD 232 2X185/2X185 BK	2502840000	B.19	WQL 2 WFF185	1065200000	A.338
WEW 35/2 GR 7042	1859200000	C.19	WMF 2.5 FU BLZ PE SW	1162820000	B.143	WPD 232 2X185/2X185 BL	2502810000	B.19	WQL 2 WFF185	1065200000	A.339
WEW 35/2 SW	1061210000	B.91	WMF 2.5 FU BLZ SW	1162980000	B.143	WPD 232 2X185/2X185 BN	2502830000	B.19	WQL 2 WFF185	1065200000	A.342
WEW 35/2 SW	1061210000	C.13	WMF 2.5 FU PE 10-36V SW	1163050000	B.140	WPD 232 2X185/2X185 GN	2502820000	B.19	WQL 2 WFF300	1065300000	A.339
WEW 35/2 SW	1061210000	C.19	WMF 2.5 FU PE 100-250V SW	1163080000	B.140	WPD 232 2X185/2X185 GY	2502800000	B.19	WQL 2 WFF300	1065300000	A.342
WEW 35/2 V0 GF SW	1479000000	B.91	WMF 2.5 FU PE 30-70V SW	1163060000	B.140	WPD 233 2X300/2X300 BK	2502940000	B.20	WQL 2 WFF35	1064900000	A.336
WEW WTL 35	1925400000	B.120	WMF 2.5 FU PE 60-150V SW	1163070000	B.140	WPD 233 2X300/2X300 BL	2502910000	B.20	WQL 2 WFF35	1064900000	A.342
WF 10	1780870000	A.332	WMF 2.5 FU PE SW	1163040000	B.140	WPD 233 2X300/2X300 BN	2502930000	B.20	WQL 2 WFF70	1065000000	A.337
WF 10 NFF	1968950000	A.333	WMF 2.5 FU SW	1162920000	B.140	WPD 233 2X300/2X300 GN	2502920000	B.20	WQL 2 WFF70	1065000000	A.342
WF 10/2BZ	1789790000	A.335	WNT 10 10X3	1010980000	B.195	WPD 233 2X300/2X300 GY	2502900000	B.20	WQL 3 WF10	1781020000	A.332
WF 12	1780880000	A.333	WNT 10 10X3 BE	1010900000	B.195	WPD 301 2X25/2X16 3XGY	1561130000	B.24	WQL 3 WF10	1781020000	A.333
WF 12 NFF	1968940000	A.333	WNT 16N 10X3	1019000000	B.195	WPD 302 2X35/2X25 3XGY	1561740000	B.27	WQL 3 WF10	1781020000	A.335
WF 5	1790130000	A.330	WNT 2.5 10X3	1010680000	B.194	WPD 304 3X25/6X16+9X10 3XBL	2518340000	B.29	WQL 3 WF10	1781020000	A.342
WF 5 NFF	1968990000	A.330	WNT 2.5 10X3 BE	1010600000	B.194	WPD 304 3X25/6X16+9X10 3XGY	1562160000	B.29	WQL 3 WFF12	1781040000	A.333
WF 6	1780850000	A.331	WNT 35N 10X3	1718550000	B.196	WPD 305 3X35/6X25+9X16 3XBL	2521770000	B.31	WQL 3 WFF12	1781040000	A.342
WF 6 NFF	1969000000	A.331	WNT 4 10X3	1010780000	B.194	WPD 305 3X35/6X25+9X16 3XGY	1562190000	B.31	WQL 3 WF5	1812740000	A.330
WF 6/2BZ	1789770000	A.334	WNT 6 10X3	1010880000	B.195	WPD 330 3X50/3X50 1XBN/1XBK/1XGY	2502650000	B.17	WQL 3 WF5	1812740000	A.342
WF 8	1780860000	A.331	WNT 70N/35	9512210000	B.196	WPD 330 3X50/3X50 1XGY/1XBL/1XGN	2502640000	B.17	WQL 3 WF6	1780980000	A.331
WF 8 NFF	1968960000	A.332	WP 2.5/1AN/1	1305270000	A.290	WPD 330 3X50/3X50 3XGY	2502620000	B.17	WQL 3 WF6	1780980000	A.334
WF 8/2BZ	1789780000	A.334	WP 2.5/1AN/1	1305270000	A.291	WPD 401 2X25/2X16 3XGY/1XBL	1562130000	B.25	WQL 3 WF6	1780980000	A.342
WFF 120	1028500000	A.337	WP 2.5/1AN/1	1305270000	A.292	WPD 401 2X25/2X16 1XGN/3XGY/1XBL	1561800000	B.25	WQL 3 WF6-10/2	1806640000	A.341
WFF 120 BL	1028580000	A.337	WP 2.5/1AN/1 ZA	1350990000	A.292	WPD 501 2X25/2X16 5XGY	1562140000	B.25	WQL 3 WF8	1781000000	A.331
WFF 120 NFF	1049240000	A.338	WP 2.5/1AN/1 ZA O.RA	1351000000	A.292	WPD 501 2X25/2X16 5XGY	1561750000	B.25	WQL 3 WF8	1781000000	A.332
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WFF 185	1028600000	A.338	WP 2.5/1AN/10	1305280000	A.291	WPDPC X30 GY	2503330000	B.16	WQL 3 WF8	1781000000	A.342
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WFF 185 NFF	1049250000	A.339	WP4/1AN/1	1107790000	A.294	WPDPC X32 GY	2503380000	B.19	WQL 3 WFF120	1065600000	A.338
WFF 185/AH	1029600000	A.338	WP4/1AN/1 ZA	1108490000	A.292	WPDPC X33 GY	2503390000	B.20	WQL 3 WFF120	1065600000	A.342
WFF 300	1028700000	A.339	WP4/1AN/1 ZA	1108490000	A.294	WPE 1.5/R3.5	1798460000	A.248	WQL 3 WFF185	1065700000	A.338
WFF 300/AH	1029700000	A.339	WP4/1AN/10	1107800000	A.294	WPE 1.5/ZZ	1016500000	A.248	WQL 3 WFF185	1065700000	A.339
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WFF 35 BL	1028380000	A.336	WPD 100 2X25/6X10 GN	1561930000	B.28	WPE 10/ZR	1042500000	A.253	WQL 3 WFF300	1065800000	A.339
WFF 35 NFF	1049220000	A.336	WPD 100 2X25/6X10 GY	1561910000	B.28	WPE 120/150	1019700000	A.257	WQL 3 WFF300	1065800000	A.342
WFF 35/AH	1029300000	A.336	WPD 101 2X25/2X16 BK	1561100000	B.24	WPE 120/150	1019700000	B.12	WQL 3 WFF35	1065400000	A.336
WFF 70	1028400000	A.337	WPD 101 2X25/2X16 BL	1560670000	B.24	WPE 16	1010400000	A.253	WQL 3 WFF35	1065400000	A.342
WFF 70 BL	1028480000	A.337	WPD 101 2X25/2X16 BN	1561120000	B.24	WPE 16N	1019100000	A.254	WQL 3 WFF35	1065400000	A.337
WFF 70 NFF	1049230000	A.337	WPD 101 2X25/2X16 GN	1560650000	B.24	WPE 2.5	1010000000	A.249	WQL 3 WFF70	1065500000	A.342
WFF 70/AH	1029400000	A.337	WPD 101 2X25/2X16 GY	1560730000	B.24	WPE 2.5/1.5ZR	1016400000	A.249	WQL 4 WF10	1027840000	A.332
WFL 120/150	1616340000	A.239	WPD 102 2X35/2X25 BK	1561630000	B.26	WPE 2.5N	1016200000	A.250	WQL 4 WF10	1027840000	A.333
WFL 120/150	1616340000	B.9	WPD 102 2X35/2X25 BL	1561640000	B.26	WPE 35	1010500000	A.254	WQL 4 WF10	1027840000	A.342
WFL 70/95	1616330000	A.239	WPD 102 2X35/2X25 BN	1561650000	B.26	WPE 35/KSC	1012600000	A.255	WQL 4 WF8-6/3	1904960000	A.341
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WHP 2.5-35N/10x3 BL	1050280000	B.194	WPD 102 2X35/2X25 GY	1561680000	B.26	WPE 4	1010100000	A.251	WQV 10/10	1052460000	A.228
WHP 2.5-35N/10x3 BL	1050280000	B.195	WPD 103 2X70/2X50 BK	1561830000	B.27	WPE 4/ZR	1905120000	A.251	WQV 10/10	1052460000	A.229
WHP 2.5-35N/10x3 BL	1050280000	B.196	WPD 103 2X70/2X50 BL	1561780000	B.27	WPE 4/ZZ	1905130000	A.251	WQV 10/10	1052460000	A.244
WHP WDL2.5/S BL	1067980000	B.198	WPD 103 2X70/2X50 BN	1561820000	B.27	WPE 4N	1042700000	A.252	WQV 10/10	1052460000	A.245
WHP WDL2.5/S BL	1067980000	B.199	WPD 103 2X70/2X50 GN	1561790000	B.27	WPE 50N	1846040000	A.255	WQV 10/10	1052460000	A.246
WHP WDL2.5/S BL	1067980000	B.200	WPD 103 2X70/2X50 GY	1561770000	B.27	WPE 50N	1846040000	B.11	WQV 10/10	1052460000	A.247
WHP WDL2.5/S BL	1067980000	B.201	WPD 104 1x25+1x16/2x16+3x10 BL	2518250000	B.28	WPE 6	1010200000	A.252	WQV 10/10	1052460000	A.259
WKB 1/10	1604330000	B.109	WPD 104 1x25+1x16/2x16+3x10 GY	1562000000	B.28	WPE 70/95	1037300000	A.257	WQV 10/10	1052460000	A.319
WKB 1/2	1604280000	B.109	WPD 105 1x35+1x16/2x25+3x16 BL	2518540000	B.30	WPE 70/95	1037300000	A.257	WQV 10/10	1052460000	B.42
WKB 1/3	1604300000	B.109	WPD 105 1x35+1x16/2x25+3x16 GY	1562170000	B.30	WPE 70N/35	9512200000	A.256	WQV 10/2	1052560000	A.228
WKB 1/4	1604320000	B.102	WPD 106 1X70/2X25+3X16 BL	2518570000	B.32	WPE 70N/35	9512200000	B.12	WQV 10/2	1052560000	A.229
WKB 1/4	1604320000	B.109	WPD 106 1X70/2X25+3X16 GY	1562210000	B.32	WPE 95N/120N	1846030000	A.256	WQV 10/2	1052560000	A.244
WKS 1/2	1604270000	B.109	WPD 107 1X95/2X35+8X25 BL	2521730000	B.32	WPE 95N/120N	1846030000	B.11	WQV 10/2	1052560000	A.245
WKS 1/2	1604270000	B.114	WPD 107 1X95/2X35+8X25 GY	1562220000	B.32	WPD 4	1036000000	A.300	WQV 10/2	1052560000	A.246
WKS 1/2	1604270000	B.115	WPD 108 1X120/2X35+3X25+4X16 BL	2519480000	B.33	WQB 240/2	1802790000	A.236	WQV 10/2	1052560000	A.247
WKS 1/2	1604270000	B.116	WPD 108 1X120/2X35+3X25+4X16 GY	1562100000	B.33	WQB 240/2	1802790000	B.9	WQV 10/2	1052560000	A.259
WKS 1/2	1604270000	B.117	WPD 109 1X185/2X35+3X25+4X16 BL	2519490000	B.33	WQB 240/3	1802800000	A.236	WQV 10/2	1052560000	A.319
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ZAP ZDU 6 S	1808250000	B.187
ZAP ZDU 6 S	1808250000	B.189
ZAP ZDU 6 S	1808250000	B.191
ZAP ZDU 6 S BL	1808260000	B.187
ZAP ZDU 6 S BL	1808260000	B.191
ZAP ZDU10/16S	1739660000	B.187
ZAP ZDU10/16S	1739660000	B.189
ZAP ZDU10/16S	1739660000	B.191
ZAP ZDU10/16S	1739660000	B.193
ZAP ZDU4-2	1770400000	A.115
ZAP ZDU4-2	1770400000	A.116
ZAP ZDU4-2	1770400000	A.145
ZAP ZDU4-2 BL	1770880000	A.115
ZAP ZDU4-2 BL	1770880000	A.116
ZAP ZDU4-2/4AN	1807010000	A.116
ZAP ZDU4-2/4AN	1807010000	A.146
ZAP ZDU4-2/4AN BL	1807020000	A.116
ZAP ZDU6-2	1771440000	B.192
ZAP ZDU6-2	1771440000	A.117
ZAP ZDU6-2	1771440000	A.146
ZAP ZDU6-2	1771440000	A.147
ZAP ZDU6-2	1771440000	A.171
ZAP ZDU6-2	1771440000	B.162
ZAP ZDU6-2 SW	1814710000	A.160
ZAP ZDU6-2 SW	1814710000	A.162

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ZAP/TW ZDU10 BL	1764110000	A.110	ZDK 2.5 OR	1694140000	A.199	ZDU 2.5N BL	1933710000	A.118	ZEW 35	9540000000	A.75
ZAP/TW ZDU16	1745150000	A.111	ZDK 2.5-2	1790990000	A.128	ZDU 2.5N/3AN	1933720000	A.118	ZEW 35	9540000000	A.78
ZAP/TW ZDU16	1745150000	A.113	ZDK 2.5-2 BL	1791000000	A.128	ZDU 2.5N/3AN BL	1933730000	A.118	ZEW 35	9540000000	A.79
ZAP/TW ZDU16 BL	1764100000	A.143	ZDK 2.5-2/4AN	1394040000	A.129	ZDU 2.5N/4AN	1933740000	A.119	ZEW 35	9540000000	A.80
ZAP/TW ZDU1A	1720960000	A.101	ZDK 2.5-2/4AN BL	1480270000	A.129	ZDU 2.5N/4AN BL	1933750000	A.119	ZEW 35	9540000000	A.81
ZAP/TW ZDU1A	1720960000	A.136	ZDK 2.5-2/LD 24VUC	1905310000	A.203	ZDU 35	1739620000	A.112	ZEW 35	9540000000	A.82
ZAP/TW ZDU1A BL	1720970000	A.101	ZDK 2.5-2PE	1791010000	A.151	ZDU 35 BL	1739630000	A.112	ZEW 35	9540000000	A.84
ZAP/TW ZDU1A DR	1720980000	A.101	ZDK 2.5-2V	1791030000	A.128	ZDU 4	1632050000	A.108	ZEW 35	9540000000	A.86
ZAP/TW ZDU1A 2.5-2N	1808170000	A.101	ZDK 2.5-2V BL	1791040000	A.128	ZDU 4 BL	1632060000	A.108	ZEW 35	9540000000	A.87
ZAP/TW ZDU1A 2.5-2N	1808170000	A.136	ZDK 2.5/3AN	1924510000	A.134	ZDU 4 S	1808360000	B.186	ZEW 35	9540000000	A.88
ZAP/TW ZIA1.5/3L	1649540000	B.126	ZDK 2.5/3AN BL	1924500000	A.134	ZDU 4 S BL	1808370000	B.186	ZEW 35	9540000000	A.104
ZAP/TW ZIA1.5/4L	1649550000	B.127	ZDK 2.5/3AN D2	1924450000	A.203	ZDU 4/2/2AN	1770370000	A.115	ZEW 35	9540000000	A.105
ZAP/TW ZPV1.5	1674650000	B.126	ZDK 2.5/3AN DU-PE	1924460000	A.135	ZDU 4/2/2AN BL	1770840000	A.115	ZEW 35	9540000000	A.106
ZAP/TW ZT2.5/2AN	1816030000	A.176	ZDK 2.5/3AN PE	1924470000	A.152	ZDU 4/2/3AN	1770380000	A.115	ZEW 35	9540000000	A.107
ZAP/TW ZT2.5/2AN	1816030000	A.179	ZDK 2.5/3AN V	1924490000	A.134	ZDU 4/2/3AN BL	1770860000	A.115	ZEW 35	9540000000	A.108
ZAP/TW ZT2.5/2AN DR	1816040000	A.176	ZDK 2.5/3AN V BL	1924480000	A.134	ZDU 4/2/3AN LSC	1790520000	A.116	ZEW 35	9540000000	A.109
ZAP/TW ZT2.5/2AN DR	1816040000	A.179	ZDK 2.5/D/1	1690020000	A.200	ZDU 4/2/3AN LSC BL	1804880000	A.116	ZEW 35	9540000000	A.110
ZAP/TW ZT2.5/3AN	1816050000	A.176	ZDK 2.5/D/2	1690030000	A.201	ZDU 4/2/4AN	1806980000	A.116	ZEW 35	9540000000	A.111
ZAP/TW ZT2.5/3AN	1816050000	A.179	ZDK 2.5/D/4	1690040000	A.201	ZDU 4/2/4AN BL	1806990000	A.116	ZEW 35	9540000000	A.112
ZAP/TW ZT2.5/4AN/2	1816070000	A.177	ZDK 2.5/D/5	1690050000	A.201	ZDU 4/3AN	7904180000	A.108	ZEW 35	9540000000	A.114
ZAP/TW ZT2.5/4AN/2	1816070000	A.180	ZDK 2.5/D/6	1690060000	A.202	ZDU 4/3AN BL	7904190000	A.108	ZEW 35	9540000000	A.115
ZAP/TW ZT2.5/4AN/2 DR	1816080000	A.177	ZDK 2.5/LD RT/1	1690010000	A.199	ZDU 4/4AN	7904290000	A.109	ZEW 35	9540000000	A.116
ZAP/TW ZT2.5/4AN/2 DR	1816080000	A.180	ZDK 2.5/LD RT/2	1693940000	A.200	ZDU 4/4AN BL	7904300000	A.109	ZEW 35	9540000000	A.117
ZAP/TW ZT2.5/4AN/4	1816090000	A.177	ZDK 2.5DU-PE	1689970000	A.123	ZDU 4/NT	1757980000	B.192	ZEW 35	9540000000	A.118
ZAP/TW ZT2.5/4AN/4	1816090000	A.180	ZDK 2.5N DU	1689960000	A.123	ZDU 4/NT DB	1778080000	B.192	ZEW 35	9540000000	A.119
ZAP/TW ZT4/2AN	1855220000	A.178	ZDK 2.5N-PE	1689980000	A.123	ZDU 6	1608620000	A.109	ZEW 35	9540000000	A.120
ZAP/TW ZT4/2AN	1855220000	A.181	ZDK 2.5PE	1690000000	A.150	ZDU 6 BL	1608630000	A.109	ZEW 35	9540000000	A.121
ZAP/TW ZT4/2AN DR	1855230000	A.178	ZDK 2.5V	1689990000	A.122	ZDU 6 S	1808230000	B.187	ZEW 35	9540000000	A.122
ZAP/TW ZT4/2AN DR	1855230000	A.181	ZDK 2.5V BL	1745880000	A.122	ZDU 6 S BL	1808240000	B.187	ZEW 35	9540000000	A.123
ZAP/TW ZT4/4AN/2	1848360000	A.178	ZDK 4/2	8670750000	A.131	ZDU 6/2/2AN	1771380000	A.117	ZEW 35	9540000000	A.124
ZAP/TW ZTTR2.5	1865520000	A.185	ZDK 4/2 BL	8670850000	A.131	ZDU 6/2/2AN BL	1771390000	A.117	ZEW 35	9540000000	A.125
ZAP/TW4/4AN	7904210000	A.109	ZDK 4/2 EL	8709760000	A.202	ZDU 6/2/3AN	1771410000	A.117	ZEW 35	9540000000	A.127
ZAP/TW4/4AN	7904210000	A.140	ZDK 4/2 PE	8671050000	A.151	ZDU 6/2/3AN BL	1771420000	A.117	ZEW 35	9540000000	A.128
ZAP/TW4/4AN BL	7904220000	A.109	ZDK 4/2 V	8671080000	A.131	ZDU 6/3AN	7907410000	A.109	ZEW 35	9540000000	A.129
ZAP/TW6/3AN	7907370000	A.109	ZDK 4/2/2AN	1119700000	A.133	ZDU 6/3AN BL	7907420000	A.109	ZEW 35	9540000000	A.130
ZAP/TW6/3AN	7907370000	A.141	ZDK 4/2/D forward	8670520000	A.203	ZDU4 2.5-2	1720920000	A.101	ZEW 35	9540000000	A.131
ZAP/TW6/3AN BL	7907380000	A.109	ZDK 4/2/DU-PE	8671120000	A.132	ZDU4 2.5-2 BL	1720930000	A.101	ZEW 35	9540000000	A.132
ZAP/TW7	1706110000	A.114	ZDK 4/2/N/L	1905170000	A.132	ZDU4 2.5-2 DR	1720940000	A.101	ZEW 35	9540000000	A.133
ZAP/TW7	1706110000	A.115	ZDKPE 2.5-2	1805940000	A.130	ZDU4 2.5-2N	1808200000	A.101	ZEW 35	9540000000	A.134
ZAP/TW7	1706110000	A.144	ZDKPE 2.5-2/N/L/PE	1895700000	A.130	ZDU4 2.5-2N BL	1808180000	A.101	ZEW 35	9540000000	A.135
ZAP/TW7	1706110000	A.145	ZDL0 2.5-2N	1782300000	A.124	ZDU4 2.5-2/2AN/15	1712750000	A.100	ZEW 35	9540000000	A.137
ZAP/TW7	1706110000	A.171	ZDL0 2.5-2N BL	1782310000	A.124	ZDU4 2.5-2/2AN/15 BL	1712760000	A.100	ZEW 35	9540000000	A.138
ZAP/TW7	1706110000	A.198	ZDL0 2.5-2N PE	1131740000	A.125	ZDU4 2.5-2/2AN/15 OR	1712770000	A.100	ZEW 35	9540000000	A.139
ZAP/TW7	1706110000	A.199	ZDL0 2.5-2N/PE/L/L	1131750000	A.125	ZDU4 2.5-2/2AN/DB	1704500000	A.99	ZEW 35	9540000000	A.140
ZAP/TW7 BL	1706120000	A.114	ZDL0 2.5-2N/PE/L/N	1131760000	A.125	ZDU4 2.5-2/2AN/DB BL	1704510000	A.99	ZEW 35	9540000000	A.141
ZAP/TW7 BL	1706120000	A.115	ZDL0 2.5-2VN	1782320000	A.124	ZDU4 2.5-2/2AN/DB GE	1704530000	A.99	ZEW 35	9540000000	A.142
ZAP/Z...16.2/1AN	1772970000	A.117	ZDL0 2.5-2VN BL	1782330000	A.124	ZDU4 2.5-2/2AN/DM	1704350000	A.99	ZEW 35	9540000000	A.143
ZAP/Z...16.2/1AN	1772970000	A.147	ZDT 2.5/2	1815150000	A.182	ZDU4 2.5-2/2AN/DM BL	1704360000	A.99	ZEW 35	9540000000	A.144
ZB 16 ZKSC	0316600000	B.180	ZDT 2.5/2 BL	1348970000	A.182	ZDU4 2.5-2/2AN/DM GE	1704380000	A.99	ZEW 35	9540000000	A.145
ZB 16 ZKSC	0316600000	B.181	ZDT 2.5/2 DU-PE	1815160000	A.183	ZDU4 2.5-2/2AN/DM DR	1704370000	A.99	ZEW 35	9540000000	A.146
ZB 16 ZKSC	0316600000	B.182	ZDT 2.5/2 PE	1815170000	A.184	ZDU4 2.5-2/2AN/RC	1712820000	A.98	ZEW 35	9540000000	A.147
ZB 16 ZKSC	0316600000	B.183	ZDU 2.5/2 V	1084770000	A.182	ZDU4 2.5-2/2AN/RC BL	1712830000	A.98	ZEW 35	9540000000	A.148
ZB 16 ZKSC	0316600000	B.194	ZDT 2.5/2 V BL	1348950000	A.182	ZDU4 2.5-2/4AN/15	1712780000	A.100	ZEW 35	9540000000	A.149
ZB 16 ZKSC	0316600000	B.195	ZTR4 2.5	1745400000	A.172	ZDU4 2.5-2/4AN/15 BL	1712790000	A.100	ZEW 35	9540000000	A.150
ZB 16 ZKSC	0316600000	B.196	ZDTR 2.5 BL	1798330000	A.172	ZDU4 2.5-2/4AN/15 OR	1712800000	A.100	ZEW 35	9540000000	A.151
ZB 16 ZKSC	0316600000	B.200	ZDU 1.5	1775480000	A.104	ZDU4 2.5-2/4AN/DB	1704690000	A.99	ZEW 35	9540000000	A.170
ZB 16 ZKSC	0316600000	B.201	ZDU 1.5 BL	1775490000	A.104	ZDU4 2.5-2/4AN/DB BL	1704700000	A.99	ZEW 35	9540000000	A.171
ZB 16K BL	0502880000	B.174	ZDU 1.5/2X2AN	1826970000	A.105	ZDU4 2.5-2/4AN/DB GE	1704720000	A.99	ZEW 35	9540000000	A.172
ZB 16K BL	0502880000	B.175	ZDU 1.5/3AN	1775530000	A.104	ZDU4 2.5-2/4AN/DM	1704540000	A.99	ZEW 35	9540000000	A.185
ZB 16K BL	0502880000	B.190	ZDU 1.5/3AN BL	1775540000	A.104	ZDU4 2.5-2/4AN/DM BL	1704550000	A.99	ZEW 35	9540000000	A.196
ZB 16K BL	0502880000	B.191	ZDU 1.5/4AN	1775580000	A.105	ZDU4 2.5-2/4AN/DM GE	1704570000	A.99	ZEW 35	9540000000	A.197
ZB 16K BL	0502880000	B.192	ZDU 1.5/4AN BL	1775600000	A.105	ZDU4 2.5-2/4AN/DM DR	1704560000	A.99	ZEW 35	9540000000	A.198
ZB 16K BL	0502880000	B.193	ZDU 10	1746750000	A.110	ZDU4 2.5-2/4AN/RC	1712970000	A.98	ZEW 35	9540000000	A.199
ZB 35/M6X16	0266500000	B.174	ZDU 10 BL	1746760000	A.110	ZDU4 2.5-2/4AN/RC BL	1712980000	A.98	ZEW 35	9540000000	A.200
ZB 35/M6X16	0266500000	B.175	ZDU 10/3AN	1767690000	A.110	ZDU4 2.5-2/4AN/RC GE	1713000000	A.98	ZEW 35	9540000000	A.201
ZB 35/M6X16	0266500000	B.180	ZDU 10/3AN BL	1767700000	A.110	ZEI 16	1745350000	A.111	ZEW 35	9540000000	A.202
ZB 35/M6X16	0266500000	B.181	ZDU 10/NT	1762420000	B.193	ZEI 16 BL	1766240000	A.111	ZEW 35	9540000000	A.203
ZB 35/M6X16	0266500000	B.182	ZDU 10S	1739540000	B.187	ZEI 16/2/1AN	1772940000	A.117	ZEW 35	9540000000	B.45
ZB 35/M6X16	0266500000	B.183	ZDU 10S BL	1739550000	B.187	ZEI 16/2/1AN BL	1772950000	A.117	ZEW 35	9540000000	B.52
ZB 35/M6X16	0266500000	B.191	ZDU 16	1745230000	A.111	ZEI 6	1791190000	A.105	ZEW 35	9540000000	B.53
ZB 35/M6X16	0266500000	B.194	ZDU 16 BL	1745240000	A.111	ZEW 15	7920340000	A.100	ZEW 35	9540000000	B.58
ZB 35/M6X16	0266500000	B.195	ZDU 16/3AN	1768320000	A.111	ZEW 15	7920340000	A.101	ZEW 35	9540000000	B.59
ZB 35/M6X16	0266500000	B.196	ZDU 16/3AN BL	1768330000	A.111	ZEW 15	7920340000	A.136	ZEW 35	9540000000	B.67
ZB 35/M6X16	0266500000	B.200	ZDU 16S	1739580000	B.187	ZEW 15	7920340000	A.137	ZEW 35	9540000000	B.95
ZB 35/M6X16	0266500000	B.201	ZDU 16S BL	1739590000	B.187	ZEW 15	7920340000	C.19	ZEW 35	9540000000	B.96
ZB 35K BL M6X16	0502680000	B.190	ZDU 2.5	1608510000	A.106	ZEW 35	9540000000	A.6	ZEW 35	9540000000	B.124
ZB 35K BL M6X16	0502680000	B.191	ZDU 2.5 BL	1608520000	A.106	ZEW 35	9540000000	A.7	ZEW 35	9540000000	B.125
ZB 35K BL M6X16	0502680000	B.192	ZDU 2.5 S	1808010000	B.186	ZEW 35	9540000000	A.8	ZEW 35	9540000000	B.162
ZB 35K BL M6X16	0502680000	B.193	ZDU 2.5 S BL	1808020000	B.186	ZEW 35	9540000000	A.9	ZEW 35	9540000000	B.172
ZB 4	0316500000	B.194	ZDU 2.5-2	1772060000	A.114	ZEW 35	9540000000	A.10	ZEW 35	9540000000	B.173
ZB 4	0316500000	B.195	ZDU 2.5-2 BL	1772070000	A.114	ZEW 35	9540000000	A.11	ZEW 35	9540000000	B.174
ZB 4	0316500000	B.196	ZDU 2.5-2 O EL	1868870000	A.198	ZEW 35	9540000000</				

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ZEW 35/2	8630740000	A.19	ZP 2.5/1AN/12	1815580000	A.188	ZP 2.5/1AN/QV/9	1815270000	A.189	ZPS 2.5/1AN/QV/9	1865970000	A.189
ZEW 35/2	8630740000	A.20	ZP 2.5/1AN/12 GN/BE	1867190000	A.188	ZP 2.5/2AN/QV/1	1815730000	A.189	ZPV 1.5	1676630000	B.126
ZEW 35/2	8630740000	A.27	ZP 2.5/1AN/13	1815590000	A.188	ZP 2.5/2AN/QV/1 GN	1820590000	A.189	ZQB 2.5-2	1677120000	A.98
ZEW 35/2	8630740000	A.28	ZP 2.5/1AN/13 GN/BE	1867200000	A.188	ZP 2.5/2AN/QV/10	1815820000	A.189	ZQB 2.5-2	1677120000	A.99
ZEW 35/2	8630740000	A.29	ZP 2.5/1AN/14	1815600000	A.188	ZP 2.5/2AN/QV/11	1815830000	A.189	ZQB 2.5-2	1677120000	A.100
ZEW 35/2	8630740000	A.30	ZP 2.5/1AN/14 GN/BE	1867210000	A.188	ZP 2.5/2AN/QV/12	1815840000	A.189	ZQB 2.5-2	1677120000	A.115
ZEW 35/2	8630740000	A.44	ZP 2.5/1AN/15	1815610000	A.188	ZP 2.5/2AN/QV/15	1815870000	A.189	ZQB 2.5-2	1677120000	A.208
ZEW 35/2	8630740000	A.45	ZP 2.5/1AN/15 GN/BE	1867220000	A.188	ZP 2.5/2AN/QV/16	1815880000	A.189	ZQS 2.5/2	1633200000	A.157
ZEW 35/2	8630740000	A.46	ZP 2.5/1AN/16	1815620000	A.188	ZP 2.5/2AN/QV/2	1815740000	A.189	ZQS 2.5/2	1633200000	A.158
ZEW 35/2	8630740000	A.47	ZP 2.5/1AN/17	1815180000	A.188	ZP 2.5/2AN/QV/3	1815750000	A.189	ZQS 2.5/2	1633200000	A.209
ZEW 35/2	8630740000	A.50	ZP 2.5/1AN/17 GN/BE	1867240000	A.188	ZP 2.5/2AN/QV/4	1815760000	A.189	ZQS 2.5/3	1633210000	A.209
ZEW 35/2	8630740000	A.51	ZP 2.5/1AN/2	1815440000	A.177	ZP 2.5/2AN/QV/5	1815770000	A.189	ZQS 2.5/4	1633220000	A.167
ZEW 35/2	8630740000	A.76	ZP 2.5/1AN/2	1815440000	A.188	ZP 2.5/2AN/QV/6	1815780000	A.189	ZQS 2.5/4	1633220000	A.158
ZEW 35/2	8630740000	A.126	ZP 2.5/1AN/2 GN/BE	1867090000	A.188	ZP 2.5/2AN/QV/7	1815790000	A.189	ZQS 2.5/4	1633220000	A.209
ZEW 35/2	8630740000	A.152	ZP 2.5/1AN/3	1815450000	A.177	ZP 2.5/2AN/QV/8	1815800000	A.189	ZQS 2.5/5	1633230000	A.209
ZEW 35/2	8630740000	A.203	ZP 2.5/1AN/3	1815450000	A.188	ZP 2.5/2AN/QV/9	1815810000	A.189	ZQV 1.5/10	1776200000	A.104
ZEW 35/2	8630740000	B.44	ZP 2.5/1AN/3 GN/BE	1867100000	A.188	ZP 4/1AN	1051970000	A.192	ZQV 1.5/10	1776200000	A.105
ZEW 35/2	8630740000	B.48	ZP 2.5/1AN/4	1815500000	A.177	ZP 4/1AN BL	1321720000	A.192	ZQV 1.5/10	1776200000	A.120
ZEW 35/2	8630740000	B.49	ZP 2.5/1AN/4	1815500000	A.188	ZP 4/1AN GN	1051980000	A.192	ZQV 1.5/10	1776200000	A.121
ZEW 35/2	8630740000	B.50	ZP 2.5/1AN/4 GN/BE	1867110000	A.188	ZP 4/1AN ZA	1051990000	A.192	ZQV 1.5/10	1776200000	A.208
ZEW 35/2	8630740000	B.51	ZP 2.5/1AN/5	1815510000	A.177	ZP 4/1AN ZA BL	1356790000	A.192	ZQV 1.5/2	1776120000	A.104
ZEW 35/2	8630740000	B.54	ZP 2.5/1AN/5	1815510000	A.188	ZP 4/1AN ZA GN	1051950000	A.192	ZQV 1.5/2	1776120000	A.105
ZEW 35/2	8630740000	B.55	ZP 2.5/1AN/5 GN/BE	1867120000	A.188	ZP 4/1AN ZA O.RA	1051910000	A.192	ZQV 1.5/2	1776120000	A.120
ZEW 35/2	8630740000	B.56	ZP 2.5/1AN/6	1815520000	A.177	ZP 4/1AN ZA O.RA BL	2449680000	A.192	ZQV 1.5/2	1776120000	A.121
ZEW 35/2	8630740000	B.57	ZP 2.5/1AN/6	1815520000	A.188	ZP 4/1AN/1	1848340000	A.178	ZQV 1.5/2	1776120000	A.208
ZEW 35/2	8630740000	B.62	ZP 2.5/1AN/6 GN/BE	1867130000	A.188	ZP 4/1AN/1	1848340000	A.190	ZQV 1.5/3	1776130000	A.208
ZEW 35/2	8630740000	B.63	ZP 2.5/1AN/7	1815530000	A.177	ZP 4/1AN/1 GN	1854980000	A.190	ZQV 1.5/4	1776140000	A.208
ZEW 35/2	8630740000	B.64	ZP 2.5/1AN/7	1815530000	A.188	ZP 4/1AN/10	1855070000	A.178	ZQV 1.5/5	1776150000	A.208
ZEW 35/2	8630740000	B.66	ZP 2.5/1AN/7 GN/BE	1867140000	A.188	ZP 4/1AN/10	1855070000	A.190	ZQV 1.5N/10	1985580000	A.6
ZEW 35/2	8630740000	B.176	ZP 2.5/1AN/8	1815540000	A.177	ZP 4/1AN/11	1855080000	A.190	ZQV 1.5N/10	1985580000	A.7
ZEW 35/2	8630740000	B.177	ZP 2.5/1AN/8	1815540000	A.188	ZP 4/1AN/12	1855090000	A.190	ZQV 1.5N/10	1985580000	A.11
ZEW 35/2	8630740000	B.178	ZP 2.5/1AN/8 GN/BE	1867150000	A.188	ZP 4/1AN/13	1855100000	A.190	ZQV 1.5N/10	1985580000	A.13
ZEW 35/2	8630740000	B.179	ZP 2.5/1AN/9	1815550000	A.177	ZP 4/1AN/14	1855110000	A.190	ZQV 1.5N/10	1985580000	A.14
ZEW 35/2	8630740000	B.180	ZP 2.5/1AN/9	1815550000	A.188	ZP 4/1AN/2	1854990000	A.178	ZQV 1.5N/10	1985580000	A.15
ZEW 35/2	8630740000	B.181	ZP 2.5/1AN/9 GN/BE	1867160000	A.188	ZP 4/1AN/2	1854990000	A.190	ZQV 1.5N/10	1985580000	A.44
ZEW 35/2	8630740000	B.182	ZP 2.5/1AN/QV	1007900000	A.192	ZP 4/1AN/3	1855000000	A.178	ZQV 1.5N/10	1985580000	A.45
ZEW 35/2	8630740000	B.183	ZP 2.5/1AN/QV GN	1007920000	A.192	ZP 4/1AN/3	1855000000	A.190	ZQV 1.5N/10	1985580000	A.46
ZEW 35/2	8630740000	C.19	ZP 2.5/1AN/QV ZA	1007930000	A.192	ZP 4/1AN/3	1855000000	A.178	ZQV 1.5N/10	1985580000	A.47
ZEW 35/2 GR	1227850000	C.19	ZP 2.5/1AN/QV ZA GN	1007950000	A.192	ZP 4/1AN/4	1855010000	A.190	ZQV 1.5N/10	1985580000	A.62
ZEW 35/2 SW	1162610000	B.134	ZP 2.5/1AN/QV ZA O.RA	1007960000	A.192	ZP 4/1AN/5	1855020000	A.178	ZQV 1.5N/10	1985580000	A.240
ZEW 35/2 SW	1162610000	B.135	ZP 2.5/1AN/QV ZA O.RA BL	1007970000	A.192	ZP 4/1AN/5	1855020000	A.190	ZQV 1.5N/10 BL	1985680000	A.62
ZEW 35/2 SW	1162610000	B.137	ZP 2.5/1AN/QV ZA O.RA GN	1007980000	A.192	ZP 4/1AN/6	1855030000	A.178	ZQV 1.5N/10 BL	1985680000	B.48
ZEW 35/2 SW	1162610000	B.184	ZP 2.5/1AN/QV/1	1815190000	A.176	ZP 4/1AN/6	1855030000	A.190	ZQV 1.5N/10 BL	1985680000	B.49
ZEW 35/2 SW	1162610000	B.185	ZP 2.5/1AN/QV/1	1815190000	A.177	ZP 4/1AN/7	1855040000	A.178	ZQV 1.5N/10 BL	1985680000	B.50
ZEW 35/2 SW	1162610000	C.19	ZP 2.5/1AN/QV/1	1815190000	A.182	ZP 4/1AN/7	1855040000	A.190	ZQV 1.5N/10 BL	1985680000	B.51
ZF 4 S BL	1814660000	B.174	ZP 2.5/1AN/QV/1	1815190000	A.183	ZP 4/1AN/8	1855050000	A.178	ZQV 1.5N/10 BL	1985680000	B.124
ZF 4 S BL	1814660000	B.175	ZP 2.5/1AN/QV/1	1815190000	A.189	ZP 4/1AN/8	1855050000	A.190	ZQV 1.5N/10 BL	1985680000	B.125
ZF 4 S BL	1814660000	B.180	ZP 2.5/1AN/QV/1 GN	1820570000	A.189	ZP 4/1AN/9	1855060000	A.178	ZQV 1.5N/10 RD	1985800000	A.62
ZF 4 S BL	1814660000	B.181	ZP 2.5/1AN/QV/10	1815280000	A.176	ZP 4/1AN/9	1855060000	A.190	ZQV 1.5N/10 RD	1985800000	B.48
ZF 4 S BL	1814660000	B.182	ZP 2.5/1AN/QV/10	1815280000	A.177	ZPE 1.5	1775510000	A.137	ZQV 1.5N/10 RD	1985800000	B.49
ZF 4 S BL	1814660000	B.183	ZP 2.5/1AN/QV/10	1815280000	A.182	ZPE 1.5/3AN	1775560000	A.137	ZQV 1.5N/10 RD	1985800000	B.50
ZGB 30	1611930000	A.298	ZP 2.5/1AN/QV/10	1815280000	A.183	ZPE 1.5/4AN	1775620000	A.138	ZQV 1.5N/10 RD	1985800000	B.51
ZHP S	1808290000	B.186	ZP 2.5/1AN/QV/10	1815280000	A.189	ZPE 10	1746770000	A.142	ZQV 1.5N/10 RD	1985800000	B.52
ZHP S	1808290000	B.187	ZP 2.5/1AN/QV/11	1815290000	A.189	ZPE 10/3AN	1767670000	A.142	ZQV 1.5N/10 RD	1985800000	B.53
ZHP S	1808290000	B.188	ZP 2.5/1AN/QV/12	1815300000	A.189	ZPE 10S	1739570000	B.189	ZQV 1.5N/10 RD	1985800000	B.124
ZHP S	1808290000	B.189	ZP 2.5/1AN/QV/13	1815310000	A.189	ZPE 16	1745250000	A.143	ZQV 1.5N/10 RD	1985800000	B.125
ZHP S	1808290000	B.190	ZP 2.5/1AN/QV/14	1815320000	A.189	ZPE 16-2/1AN	1772960000	A.147	ZQV 1.5N/2	1985410000	A.6
ZHP S	1808290000	B.191	ZP 2.5/1AN/QV/15	1815330000	A.189	ZPE 16/3AN	1768310000	A.143	ZQV 1.5N/2	1985410000	A.7
ZHP S SO	1808290000	B.186	ZP 2.5/1AN/QV/16	1815340000	A.189	ZPE 16S	1739610000	B.189	ZQV 1.5N/2	1985410000	A.11
ZHP S SO	1808290000	B.187	ZP 2.5/1AN/QV/17	1815350000	A.189	ZPE 2.5	1608640000	A.138	ZQV 1.5N/2	1985410000	A.13
ZHP S SO	1808290000	B.188	ZP 2.5/1AN/QV/2	1815200000	A.176	ZPE 2.5 S	1808330000	B.188	ZQV 1.5N/2	1985410000	A.14
ZHP S SO	1808290000	B.189	ZP 2.5/1AN/QV/2	1815200000	A.177	ZPE 2.5-2	1772090000	A.144	ZQV 1.5N/2	1985410000	A.15
ZHP S SO	1808290000	B.190	ZP 2.5/1AN/QV/2	1815200000	A.182	ZPE 2.5-2/3AN	1706090000	A.144	ZQV 1.5N/2	1985410000	A.44
ZHP S SO	1808290000	B.191	ZP 2.5/1AN/QV/2	1815200000	A.183	ZPE 2.5-2/4AN	1706100000	A.145	ZQV 1.5N/2	1985410000	A.45
ZHP ZDU4/NT SO	1803890000	B.192	ZP 2.5/1AN/QV/2	1815200000	A.189	ZPE 2.5/3AN	1608650000	A.139	ZQV 1.5N/2	1985410000	A.46
ZHP ZDU4/NT SO	1803890000	B.193	ZP 2.5/1AN/QV/3	1815210000	A.176	ZPE 2.5/4AN	1608660000	A.139	ZQV 1.5N/2	1985410000	A.47
ZIA 1.5/3L-S	1651980000	B.126	ZP 2.5/1AN/QV/3	1815210000	A.177	ZPE 2.5N	1933760000	A.148	ZQV 1.5N/2	1985410000	A.62
ZIA 1.5/3L-S/LDRT	1651990000	B.126	ZP 2.5/1AN/QV/3	1815210000	A.182	ZPE 2.5N/3AN	1933770000	A.148	ZQV 1.5N/2	1985410000	A.240
ZIA 1.5/3L-PE	1652000000	B.126	ZP 2.5/1AN/QV/3	1815210000	A.183	ZPE 2.5N/4AN	1933780000	A.149	ZQV 1.5N/2 BL	1985530000	A.62
ZIA 1.5/4L-S	1652010000	B.127	ZP 2.5/1AN/QV/3	1815210000	A.189	ZPE 35	1739650000	A.143	ZQV 1.5N/2 BL	1985530000	B.48
ZIA 1.5/4L-S/LD	1652020000	B.127	ZP 2.5/1AN/QV/4	1815220000	A.176	ZPE 4	1632080000	A.139	ZQV 1.5N/2 BL	1985530000	B.49
ZIA 1.5/4L-PE	1652030000	B.127	ZP 2.5/1AN/QV/4	1815220000	A.177	ZPE 4 S	1808340000	B.188	ZQV 1.5N/2 BL	1985530000	B.50
ZMAK 2.5	1768000000	A.127	ZP 2.5/1AN/QV/4	1815220000	A.182	ZPE 4-2/2AN	1770380000	A.145	ZQV 1.5N/2 BL	1985530000	B.51
ZMAK 2.5	1768000000	B.45	ZP 2.5/1AN/QV/4	1815220000	A.183	ZPE 4-2/3AN	1770390000	A.145	ZQV 1.5N/2 BL	1985530000	B.124
ZMAK 2.5 690V	1027550000	A.127	ZP 2.5/1AN/QV/4	1815220000	A.189	ZPE 4-2/4AN	1807090000	A.146	ZQV 1.5N/2 BL	1985530000	B.125
ZMAK 2.5 690V	1027550000	B.45	ZP 2.5/1AN/QV/5	1815230000	A.176	ZPE 4/3AN	7904170000	A.140	ZQV 1.5N/2 RD	1985650000	A.62
ZNT 10S	1739660000	B.191	ZP 2.5/1AN/QV/5	1815230000	A.177	ZPE 4/4AN	7904280000	A.140	ZQV 1.5N/2 RD	1985650000	B.48
ZNT 16S	1739660000	B.191	ZP 2.5/1AN/QV/5	1815230000	A.182	ZPE 6	1608670000	A.141	ZQV 1.5N/2 RD	1985650000	B.49
ZNT 2.5 S	1808300000	B.190	ZP 2.5/1AN/QV/5	1815230000	A.183	ZPE 6 S	18083				



Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
ZQV 4/10 GE	1609030000	B.186	ZQV 4N/2 BL	1528040000	A.62	ZQV 4N/8	1528030000	A.314	ZRH 1.5H/1	1678810000	A.145
ZQV 4/10 GE	1609030000	B.190	ZQV 4N/2 BL	1528040000	A.314	ZQV 4N/8	1528030000	B.91	ZRH 1.5H/1	1678810000	A.148
ZQV 4/2 GE	1608950000	A.84	ZQV 4N/2 BL	1528040000	B.62	ZQV 4N/8 BL	1528190000	A.62	ZRH 1.5H/1	1678810000	A.149
ZQV 4/2 GE	1608950000	A.108	ZQV 4N/2 BL	1528040000	B.63	ZQV 4N/8 BL	1528190000	A.314	ZRH 1.5H/1	1678810000	A.150
ZQV 4/2 GE	1608950000	A.109	ZQV 4N/2 BL	1528040000	B.64	ZQV 4N/8 BL	1528190000	B.91	ZRH 1.5H/1	1678810000	A.151
ZQV 4/2 GE	1608950000	A.115	ZQV 4N/2 BL	1528040000	B.66	ZQV 4N/8 RD	2460760000	A.62	ZRH 1.5H/1	1678810000	A.152
ZQV 4/2 GE	1608950000	A.116	ZQV 4N/2 BL	1528040000	B.67	ZQV 4N/8 RD	2460760000	A.314	ZRH 1.5H/1	1678810000	A.198
ZQV 4/2 GE	1608950000	A.131	ZQV 4N/2 BL	1528040000	B.79	ZQV 4N/8 RD	2460760000	B.91	ZRH 1.5H/1	1678810000	A.199
ZQV 4/2 GE	1608950000	A.132	ZQV 4N/2 BL	1528040000	B.80	ZQV 4N/9	1528070000	A.62	ZRH 1.5H/1	1678810000	A.200
ZQV 4/2 GE	1608950000	A.160	ZQV 4N/2 BL	1528040000	B.81	ZQV 4N/9	1528070000	A.314	ZRH 1.5H/1	1678810000	A.201
ZQV 4/2 GE	1608950000	A.162	ZQV 4N/2 BL	1528040000	B.88	ZQV 4N/9	1528070000	B.91	ZRH 1.5H/1	1678810000	A.202
ZQV 4/2 GE	1608950000	A.164	ZQV 4N/2 BL	1528040000	B.89	ZQV 4N/9 BL	1528220000	A.62	ZRH 1.5H/1	1678810000	A.203
ZQV 4/2 GE	1608950000	A.165	ZQV 4N/2 BL	1528040000	B.90	ZQV 4N/9 BL	1528220000	A.314	ZRH 1.5H/1	1678810000	A.213
ZQV 4/2 GE	1608950000	A.178	ZQV 4N/2 BL	1528040000	B.91	ZQV 4N/9 BL	1528220000	B.91	ZRH 1.5H/2	1678800000	A.114
ZQV 4/2 GE	1608950000	A.202	ZQV 4N/2 GE	1758250000	A.274	ZQV 4N/9 RD	2460750000	A.62	ZRH 1.5H/2	1678800000	A.115
ZQV 4/2 GE	1608950000	A.203	ZQV 4N/2 GE	1758250000	A.281	ZQV 4N/9 RD	2460750000	A.314	ZRH 1.5H/2	1678800000	A.118
ZQV 4/2 GE	1608950000	A.208	ZQV 4N/2 RD	2460450000	A.62	ZQV 4N/9 RD	2460750000	B.91	ZRH 1.5H/2	1678800000	A.119
ZQV 4/2 GE	1608950000	B.186	ZQV 4N/2 RD	2460450000	A.314	ZQV 6/2 GE	1627850000	A.109	ZRH 1.5H/2	1678800000	A.122
ZQV 4/2 GE	1608950000	B.190	ZQV 4N/2 RD	2460450000	B.62	ZQV 6/2 GE	1627850000	A.117	ZRH 1.5H/2	1678800000	A.123
ZQV 4/20 GE	1909010000	A.208	ZQV 4N/2 RD	2460450000	B.63	ZQV 6/2 GE	1627850000	A.154	ZRH 1.5H/2	1678800000	A.124
ZQV 4/20 GE	1909010000	B.186	ZQV 4N/2 RD	2460450000	B.64	ZQV 6/2 GE	1627850000	A.155	ZRH 1.5H/2	1678800000	A.125
ZQV 4/20 GE	1909010000	B.190	ZQV 4N/2 RD	2460450000	B.66	ZQV 6/2 GE	1627850000	A.156	ZRH 1.5H/2	1678800000	A.127
ZQV 4/3 GE	1608960000	A.84	ZQV 4N/2 RD	2460450000	B.67	ZQV 6/2 GE	1627850000	A.166	ZRH 1.5H/2	1678800000	A.128
ZQV 4/3 GE	1608960000	A.208	ZQV 4N/2 RD	2460450000	B.79	ZQV 6/2 GE	1627850000	A.167	ZRH 1.5H/2	1678800000	A.129
ZQV 4/3 GE	1608960000	B.186	ZQV 4N/2 RD	2460450000	B.80	ZQV 6/2 GE	1627850000	A.168	ZRH 1.5H/2	1678800000	A.130
ZQV 4/3 GE	1608960000	B.190	ZQV 4N/2 RD	2460450000	B.81	ZQV 6/2 GE	1627850000	A.171	ZRH 1.5H/2	1678800000	A.134
ZQV 4/4 GE	1608970000	A.84	ZQV 4N/2 RD	2460450000	B.88	ZQV 6/2 GE	1627850000	A.209	ZRH 1.5H/2	1678800000	A.135
ZQV 4/4 GE	1608970000	A.208	ZQV 4N/2 RD	2460450000	B.89	ZQV 6/2 GE	1627850000	B.97	ZRH 1.5H/2	1678800000	A.144
ZQV 4/4 GE	1608970000	B.186	ZQV 4N/2 RD	2460450000	B.90	ZQV 6/2 GE	1627850000	B.184	ZRH 1.5H/2	1678800000	A.145
ZQV 4/4 GE	1608970000	B.190	ZQV 4N/2 RD	2460450000	B.91	ZQV 6/2 GE	1627850000	B.185	ZRH 1.5H/2	1678800000	A.148
ZQV 4/5 GE	1608980000	A.208	ZQV 4N/3	1527940000	A.62	ZQV 6/2 GE	1627850000	B.187	ZRH 1.5H/2	1678800000	A.149
ZQV 4/6 GE	1608990000	A.208	ZQV 4N/3	1527940000	A.314	ZQV 6/2 GE	1627850000	B.191	ZRH 1.5H/2	1678800000	A.150
ZQV 4/7 GE	1609000000	A.208	ZQV 4N/3	1527940000	B.91	ZQV 6/24 GE	1908990000	A.209	ZRH 1.5H/2	1678800000	A.151
ZQV 4/8 GE	1609010000	A.208	ZQV 4N/3 BL	1528080000	A.62	ZQV 6/24 GE	1908990000	B.184	ZRH 1.5H/2	1678800000	A.152
ZQV 4/9 GE	1609020000	A.208	ZQV 4N/3 BL	1528080000	A.314	ZQV 6/24 GE	1908990000	B.185	ZRH 1.5H/2	1678800000	A.198
ZQV 4N/10	1528090000	A.8	ZQV 4N/3 BL	1528080000	B.91	ZQV 6/24 GE	1908990000	B.187	ZRH 1.5H/2	1678800000	A.199
ZQV 4N/10	1528090000	A.9	ZQV 4N/3 RD	2460810000	A.62	ZQV 6/24 GE	1908990000	B.191	ZRH 1.5H/2	1678800000	A.200
ZQV 4N/10	1528090000	A.13	ZQV 4N/3 RD	2460810000	A.314	ZQV 6/3 GE	1627860000	A.209	ZRH 1.5H/2	1678800000	A.201
ZQV 4N/10	1528090000	A.35	ZQV 4N/3 RD	2460810000	B.91	ZQV 6/3 GE	1627860000	B.97	ZRH 1.5H/2	1678800000	A.202
ZQV 4N/10	1528090000	A.41	ZQV 4N/4	1527970000	A.62	ZQV 6/3 GE	1627860000	B.184	ZRH 1.5H/2	1678800000	A.203
ZQV 4N/10	1528090000	A.62	ZQV 4N/4	1527970000	A.314	ZQV 6/3 GE	1627860000	B.185	ZRH 1.5H/2	1678800000	A.213
ZQV 4N/10	1528090000	A.223	ZQV 4N/4	1527970000	B.91	ZQV 6/3 GE	1627860000	B.187	ZRH 1.5H/2	1678800000	B.45
ZQV 4N/10	1528090000	A.224	ZQV 4N/4 BL	1528120000	A.62	ZQV 6/3 GE	1627860000	B.191	ZRH 1.5N/1	1632140000	A.213
ZQV 4N/10	1528090000	A.225	ZQV 4N/4 BL	1528120000	A.314	ZQV 6/32 GE	1733640000	B.96	ZRH 1.5N/1	1632140000	B.126
ZQV 4N/10	1528090000	A.243	ZQV 4N/4 BL	1528120000	B.91	ZQV 6/32 GE	1733640000	B.184	ZRH 1.5N/1	1632140000	B.127
ZQV 4N/10	1528090000	A.244	ZQV 4N/4 RD	2460800000	A.62	ZQV 6/32 GE	1733640000	B.185	ZRH 1.5N/2	1632130000	A.213
ZQV 4N/10	1528090000	A.275	ZQV 4N/4 RD	2460800000	A.314	ZQV 6/4 GE	1627870000	A.109	ZRH 1.5N/2	1632130000	B.126
ZQV 4N/10	1528090000	A.282	ZQV 4N/4 RD	2460800000	B.91	ZQV 6/4 GE	1627870000	A.111	ZRH 1.5N/2	1632130000	B.127
ZQV 4N/10	1528090000	A.283	ZQV 4N/5	1527980000	A.62	ZQV 6/4 GE	1627870000	A.117	ZRH 1.5S/1	1781950000	A.104
ZQV 4N/10	1528090000	A.284	ZQV 4N/5	1527980000	A.314	ZQV 6/4 GE	1627870000	A.154	ZRH 1.5S/1	1781950000	A.105
ZQV 4N/10	1528090000	A.285	ZQV 4N/5	1527980000	B.91	ZQV 6/4 GE	1627870000	A.155	ZRH 1.5S/1	1781950000	A.120
ZQV 4N/10	1528090000	A.294	ZQV 4N/5 BL	1528140000	A.62	ZQV 6/4 GE	1627870000	A.156	ZRH 1.5S/1	1781950000	A.121
ZQV 4N/10	1528090000	A.314	ZQV 4N/5 BL	1528140000	A.314	ZQV 6/4 GE	1627870000	A.166	ZRH 1.5S/1	1781950000	A.137
ZQV 4N/10	1528090000	B.91	ZQV 4N/5 BL	1528140000	B.91	ZQV 6/4 GE	1627870000	A.171	ZRH 1.5S/1	1781950000	A.138
ZQV 4N/10	1528090000	B.165	ZQV 4N/5 RD	2460790000	A.62	ZQV 6/4 GE	1627870000	A.209	ZRH 1.5S/1	1781950000	A.150
ZQV 4N/10 BL	1528230000	A.62	ZQV 4N/5 RD	2460790000	A.314	ZQV 6/4 GE	1627870000	B.97	ZRH 1.5S/1	1781950000	A.213
ZQV 4N/10 BL	1528230000	A.314	ZQV 4N/5 RD	2460790000	B.91	ZQV 6/4 GE	1627870000	B.184	ZRH 2.5/1 WS	1614300000	A.106
ZQV 4N/10 BL	1528230000	B.62	ZQV 4N/5 RD	2460790000	B.81	ZQV 6/4 GE	1627870000	B.185	ZRH 2.5/1 WS	1614300000	A.107
ZQV 4N/10 BL	1528230000	B.63	ZQV 4N/50	1528130000	A.62	ZQV 6/4 GE	1627870000	B.187	ZRH 2.5/1 WS	1614300000	A.138
ZQV 4N/10 BL	1528230000	B.62	ZQV 4N/50	1528130000	B.79	ZQV 6/4 GE	1627870000	B.191	ZRH 2.5/1 WS	1614300000	A.139
ZQV 4N/10 BL	1528230000	B.64	ZQV 4N/50	1528130000	B.80	ZQV 6/4 GE	1627870000	B.191	ZRH 2.5/1 WS	1614300000	A.196
ZQV 4N/10 BL	1528230000	B.66	ZQV 4N/50	1528130000	B.81	ZQV 6N/2	1985740000	A.10	ZRH 2.5/1 WS	1614300000	A.197
ZQV 4N/10 BL	1528230000	B.67	ZQV 4N/50	1528130000	B.88	ZQV 6N/2	1985740000	A.13	ZRH 2.5/1 WS	1614300000	A.213
ZQV 4N/10 BL	1528230000	B.91	ZQV 4N/50	1528130000	B.89	ZQV 6N/2	1985740000	A.63	ZRH 2.5/2 GR/VO	1614290000	A.106
ZQV 4N/10 GE	1758260000	A.274	ZQV 4N/50	1528130000	B.90	ZQV 6N/2	1985740000	A.71	ZRH 2.5/2 GR/VO	1614290000	A.107
ZQV 4N/10 GE	1758260000	A.281	ZQV 4N/50	1528130000	B.91	ZQV 6N/2	1985740000	A.72	ZRH 2.5/2 GR/VO	1614290000	A.138
ZQV 4N/10 RD	2460740000	A.62	ZQV 4N/50 BL	1528240000	A.62	ZQV 6N/2	1985740000	A.93	ZRH 2.5/2 GR/VO	1614290000	A.139
ZQV 4N/10 RD	2460740000	A.314	ZQV 4N/50 BL	1528240000	B.79	ZQV 6N/2 BL	1985830000	A.63	ZRH 2.5/2 GR/VO	1614290000	A.196
ZQV 4N/10 RD	2460740000	B.62	ZQV 4N/50 BL	1528240000	B.80	ZQV 6N/20	1985830000	A.93	ZRH 2.5/2 GR/VO	1614290000	A.197
ZQV 4N/10 RD	2460740000	B.63	ZQV 4N/50 BL	1528240000	B.81	ZQV 6N/20	1985830000	A.174	ZRH 2.5/2 GR/VO	1614290000	A.213
ZQV 4N/10 RD	2460740000	B.64	ZQV 4N/50 BL	1528240000	B.88	ZQV 6N/3	1985760000	A.63	ZRH 2.5/3	1614280000	A.213
ZQV 4N/10 RD	2460740000	B.66	ZQV 4N/50 BL	1528240000	B.89	ZQV 6N/3	1985760000	A.71	ZRH 4/1 WS	1636640000	A.108
ZQV 4N/10 RD	2460740000	B.67	ZQV 4N/50 BL	1528240000	B.90	ZQV 6N/3	1985760000	A.72	ZRH 4/1 WS	1636640000	A.109
ZQV 4N/10 RD	2460740000	B.91	ZQV 4N/50 BL	1528240000	B.91	ZQV 6N/3	1985760000	A.73	ZRH 4/1 WS	1636640000	A.139
ZQV 4N/2	1527930000	A.8	ZQV 4N/50 RD	2460730000	B.79	ZQV 6N/3	1985760000	A.93	ZRH 4/1 WS	1636640000	A.140
ZQV 4N/2	1527930000	A.9	ZQV 4N/50 RD	2460730000	B.80	ZQV 6N/3	1985760000	A.174	ZRH 4/1 WS	1636640000	A.145
ZQV 4N/2	1527930000	A.13	ZQV 4N/50 RD	2460730000	B.81	ZQV 6N/3 BL	1985840000	A.63	ZRH 4/1 WS	1636640000	A.146
ZQV 4N/2	1527930000	A.35	ZQV 4N/50 RD	2460730000	B.88	ZQV 6N/4	1985780000	A.63	ZRH 4/1 WS	1636640000	A.213
ZQV 4N/2	1527930000	A.41	ZQV 4N/50 RD	2460730000	B.89	ZQV 6N/4	1985780000	A.71	ZRV 1.5	1698160000	A.186
ZQV 4N/2	1527930000	A.62	ZQV 4N/50 RD	2460730000	B.90	ZQV 6N/4	1985780000	A.72	ZRV 1.5/PE	1698170000	A.186
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ZSI 2X6/4X2.5 FC	1058620000	A.167	ZTA ZT2.5	1827080000	A.149	ZZE ZP2.5	1816140000	A.180
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0134700000	TS 15X5 2M/AL/BK	C.16
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0140500000	D4 KS4 TP	A.308
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0140620000	KS 6 O.D6	A.308
0140800000	D6 KS6 TP	A.308
0140800000	D6 KS6 TP	A.310
0141620000	KS 10 O.D10	A.308
0141800000	D10 KS10 TP	A.308
0141800000	D10 KS10 TP	A.310

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0164000000	TSTW 6/M6	C.20
0164400000	SS M3 D 128-A 3	A.262
0164400000	SS M3 D 128-A 3	A.263
0164400000	SS M3 D 128-A 3	A.264
0164400000	SS M3 D 128-A 3	A.265
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0169900000	STB 14/06/4/M3 SAK10	B.108

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0180400000	PS 2.3 RT	A.111
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0180400000	PS 2.3 RT	A.185
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0180400000	PS 2.3 RT	A.222
0180400000	PS 2.3 RT	A.280
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0192700000	G 25/2.00A/F BL	A.278
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0194300000	QL 2 SAK6N	A.263
0194300000	QL 2 SAK6N	A.268
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0194400000	QL 3 SAK6N	B.109
0194500000	QL 4 SAK6N	B.109
0199360000	EWK 2	C.19

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0206160000	EWK 1	B.104
0206160000	EWK 1	B.116
0206160000	EWK 1	B.119
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0271200000	STB 25 IH/GN	B.100
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0280300000	ESCH 1 M	C.12
0280600000	STB 8.5/5/2.3/M3 SAK2.5	B.98
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0293900000	GZ 10.0A	A.158
0293900000	GZ 10.0A	A.261
0293900000	GZ 10.0A	A.264
0293900000	GZ 10.0A	A.265
0293900000	GZ 10.0A	A.269
0294360000	AKZ 4	A.222
0294380000	AKZ 4 BL	A.222
0294460000	AP AKZ4	A.222
0294480000	AP AKZ4 BL	A.222
0294500000	GZ 2.0A	A.264
0294500000	GZ 2.0A	A.265
0294500000	GZ 2.0A	A.269
0294600000	GZ 5.0A	A.264
0294600000	GZ 5.0A	A.265
0294600000	GZ 5.0A	A.269
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0307400000	QVS 4 SAKT1+2	B.108
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0430800000	G 20/1.60A/F	A.36
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0431100000	G 20/3.15A/F	A.278
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0431400000	G 20/6.30A/F	A.169
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0439000000	G 20/0.63A/F	A.36
0439000000	G 20/0.63A/F	A.85
0439000000	G 20/0.63A/F	A.169
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1011320000	DEK 5/8 PLUS MC NE WS	B.67
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1017100000	WTD 6/1	B.101
10171700000	WTL 6/2	B.114
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1018600000	WTL 6/3/STB	B.117
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1029400000	WFF 70/AH	A.337
1029500000	WFF 120/AH	A.337
1029600000	WFF 185/AH	A.338
1029700000	WFF 300/AH	A.339
1029800000	WDL 2.5/NT/L/PE	B.198
1029900000	WDL 2.5/N/L/PE	B.199

## 1030000000

1030200000	WDL 2.5/L/L/PE	B.199
1030300000	WDL 2.5/L/L	B.198
1030400000	WDL 2.5/L	B.199
1030600000	WDL 2.5/S/NT/L/PE	B.200
1030700000	WDL 2.5/S/N/L/PE	B.201
1031100000	WDL 2.5/S/L/L/PE	B.201
1031200000	WDL 2.5/S/L/L	B.200
1031300000	WDL 2.5/S/L	B.201
1031400000	WDU 1.5/ZZ	A.219
1031480000	WDU 1.5/ZZ BL	A.219
1033300000	WDU 2.5/TC TYP E	B.121
1033700000	WDU 2.5/TC TYP B	B.121
1034400000	WDK 2.5/BLZ/5.08/ZA	A.299
1036000000	WPO 4	A.300
1036100000	WDU 16N	A.231
1036180000	WDU 16N BL	A.231
1036300000	WDK 2.5PE	A.258
1036400000	WDK 2.5DU-PE	A.241
1037300000	WPE 70/95	A.257
1037300000	WPE 70/95	B.11
1039900000	WTR 2.5/ZZ	A.281
1039980000	WTR 2.5/ZZ BL	A.281

## 1040000000

1040400000	WDU 35N	A.233
1040480000	WDU 35N BL	A.233
1040800000	WDU 2.5N ZDV	A.221
1040880000	WDU 2.5N ZDV BL	A.221
1041100000	WDK 2.5 ZDV	A.241
1041180000	WDK 2.5 ZDV BL	A.241
1041500000	WDU 2.5/TC TYP N	B.121
1041600000	WDK 2.5N	A.242
1041610000	WDK 2.5N V	A.242
1041620000	WDK 2.5N PE	A.258
1041650000	WDK 2.5N DU-PE	A.243
1041680000	WDK 2.5N BL	A.242
1041900000	WDK 4N	A.243
1041910000	WDK 4N V	A.244
1041920000	WDK 4N PE	A.259
1041980000	WDK 4N BL	A.243
1042400000	WDU 10/ZR	A.229
1042480000	WDU 10/ZR BL	A.229
1042500000	WPE 10/ZR	A.253
1042600000	WDU 4N	A.224
1042680000	WDU 4N BL	A.224
1042700000	WPE 4N	A.252
1043220000	PDU 2.5/4/2X2AN BL	A.71
1045970000	WTR 35 E	B.163
1046350000	DEK 5/8 PLUS MC NE WS	A.10
1046350000	DEK 5/8 PLUS MC NE WS	A.26
1046350000	DEK 5/8 PLUS MC NE WS	A.27
1046350000	DEK 5/8 PLUS MC NE WS	B.48
1046350000	DEK 5/8 PLUS MC NE WS	B.49
1046350000	DEK 5/8 PLUS MC NE WS	B.50
1046370000	DEK 5/8 PLUS MC SDR	B.52

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1046370000	DEK 5/8 PLUS MC SDR	B.53
1046370000	DEK 5/8 PLUS MC SDR	B.58
1046370000	DEK 5/8 PLUS MC SDR	B.59
1049200000	PAP PDU/6/10 BL	A.90
1049210000	PAP 2.5/4 BL	A.90
1049220000	WFF 35 NFF	A.336
1049230000	WFF 70 NFF	A.337
1049240000	WFF 120 NFF	A.338
1049250000	WFF 185 NFF	A.339

## 1050000000

1050000000	WAP 2.5-10	A.219
1050000000	WAP 2.5-10	A.220
1050000000	WAP 2.5-10	A.221
1050000000	WAP 2.5-10	A.223
1050000000	WAP 2.5-10	A.225
1050000000	WAP 2.5-10	A.226
1050000000	WAP 2.5-10	A.227
1050000000	WAP 2.5-10	A.228
1050000000	WAP 2.5-10	A.229
1050000000	WAP 2.5-10	A.248
1050000000	WAP 2.5-10	A.249
1050000000	WAP 2.5-10	A.262
1050000000	WAP 2.5-10	A.263
1050000000	WAP 2.5-10	A.264
1050000000	WAP 2.5-10	A.265
1050000000	WAP 2.5-10	A.268
1050000000	WAP 2.5-10	A.269
1050000000	WAP 2.5-10	A.274
1050000000	WAP 2.5-10	A.275
1050000000	WAP 2.5-10	A.280
1050000000	WAP 2.5-10	A.281
1050000000	WAP 2.5-10	A.283
1050000000	WAP 2.5-10	A.284
1050000000	WAP 2.5-10	A.285
1050000000	WAP 2.5-10	A.295
1050000000	WAP 2.5-10	A.301
1050000000	WAP 2.5-10	B.121
1050000000	WAP 2.5-10	B.165
1050000000	WAP 2.5-10	B.194
1050000000	WAP 2.5-10	B.195
1050000000	WAP 2.5-10	B.196
1050010000	WAP 2.5-10 SW	A.275
1050080000	WAP 2.5-10 BL	A.219
1050080000	WAP 2.5-10 BL	A.220
1050080000	WAP 2.5-10 BL	A.221
1050080000	WAP 2.5-10 BL	A.223
1050080000	WAP 2.5-10 BL	A.226
1050080000	WAP 2.5-10 BL	A.228
1050080000	WAP 2.5-10 BL	A.229
1050080000	WAP 2.5-10 BL	A.295
1050080000	WAP 2.5-10 BL	B.165
1050080000	WAP 2.5-10 BL	B.194
1050080000	WAP 2.5-10 BL	B.195
1050080000	WAP 2.5-10 BL	B.196
1050080000	WAP 2.5-10 BL	B.199
1050100000	WAP 16+35 WTW 2.5-10	A.216
1050100000	WAP 16+35 WTW 2.5-10	A.220
1050100000	WAP 16+35 WTW 2.5-10	A.221
1050100000	WAP 16+35 WTW 2.5-10	A.223
1050100000	WAP 16+35 WTW 2.5-10	A.225
1050100000	WAP 16+35 WTW 2.5-10	A.226
1050100000	WAP 16+35 WTW 2.5-10	A.227
1050100000	WAP 16+35 WTW 2.5-10	A.228
1050100000	WAP 16+35 WTW 2.5-10	A.229
1050100000	WAP 16+35 WTW 2.5-10	A.230
1050100000	WAP 16+35 WTW 2.5-10	A.231
1050100000	WAP 16+35 WTW 2.5-10	A.232
1050100000	WAP 16+35 WTW 2.5-10	A.243
1050100000	WAP 16+35 WTW 2.5-10	A.262
1050100000	WAP 16+35 WTW 2.5-10	A.263
1050100000	WAP 16+35 WTW 2.5-10	A.264
1050100000	WAP 16+35 WTW 2.5-10	A.265
1050100000	WAP 16+35 WTW 2.5-10	A.268
1050100000	WAP 16+35 WTW 2.5-10	A.269
1050100000	WAP 16+35 WTW 2.5-10	A.274
1050100000	WAP 16+35 WTW 2.5-10	A.275
1050100000	WAP 16+35 WTW 2.5-10	A.281
1050100000	WAP 16+35 WTW 2.5-10	A.283
1050100000	WAP 16+35 WTW 2.5-10	A.295
1050100000	WAP 16+35 WTW 2.5-10	A.301
1050100000	WAP 16+35 WTW 2.5-10	B.121
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1068400000	WTW WTL6/1 DB	B.101
1068400000	WTW WTL6/1 DB	B.102
1068400000	WTW WTL6/1 DB	B.105
1068400000	WTW WTL6/1 DB	B.106
1068400000	WTW WTL6/1 DB	B.107
1068700000	WSH 1	B.152

## 1070000000

1070000000	WAP WDK2.5/BLZ/0 ZA	A.299
1070100000	WAP WDK2.5/BLZ/M ZA	A.299
1070500000	WZAF 35	A.331
1070500000	WZAF 35	A.334
1070500000	WZAF 35	A.336
1071000000	STB 21.6/H/DB WTL6/3	B.116
1071010000	STB 21.6/H/GE WTL6/3	B.96
1071010000	STB 21.6/H/GE WTL6/3	B.97
1071010000	STB 21.6/H/GE WTL6/3	B.116
1071010000	STB 21.6/H/GE WTL6/3	B.117
1071020000	STB 21.6/H/GE WTL6/3	B.96
1071020000	STB 21.6/H/GE WTL6/3	B.97
1071020000	STB 21.6/H/GE WTL6/3	B.116
1071020000	STB 21.6/H/GE WTL6/3	B.117
1071030000	STB 21.6/H/VI WTL6/3	B.96
1071030000	STB 21.6/H/VI WTL6/3	B.97
1071030000	STB 21.6/H/VI WTL6/3	B.116
1071030000	STB 21.6/H/VI WTL6/3	B.117
1071040000	STB 21.6/H/SW WTL6/3	B.96
1071040000	STB 21.6/H/SW WTL6/3	B.116
1071080000	STB 21.6/H/BL WTL6/3	B.96
1071080000	STB 21.6/H/BL WTL6/3	B.97
1071080000	STB 21.6/H/BL WTL6/3	B.116
1071080000	STB 21.6/H/BL WTL6/3	B.117
1071100000	ZR WP04 DB	A.300
1071200000	SSCH 7.3X1.2X1000	A.300
1071360000	WQV 16N-PEN BL	A.254
1071360000	WQV 16N-PEN BL	A.325
1071500000	Q 2 WDL2.5S	B.320
1071500000	Q 2 WDL2.5S	B.198
1071500000	Q 2 WDL2.5S	B.199
1071500000	Q 2 WDL2.5S	B.200
1071500000	Q 2 WDL2.5S	B.201
1071600000	Q 3 WDL2.5S	A.320
1071600000	Q 3 WDL2.5S	B.198
1071600000	Q 3 WDL2.5S	B.199
1071600000	Q 3 WDL2.5S	B.200
1071600000	Q 3 WDL2.5S	B.201
1071700000	Q 4 WDL2.5S	A.320
1071700000	Q 4 WDL2.5S	B.198
1071700000	Q 4 WDL2.5S	B.200
1071700000	Q 4 WDL2.5S	B.201
1071800000	Q 10 WDL2.5S	A.320
1071800000	Q 10 WDL2.5S	B.198
1071800000	Q 10 WDL2.5S	B.199
1071800000	Q 10 WDL2.5S	B.200
1071800000	Q 10 WDL2.5S	B.201
1071900000	EW 15/2	C.19
1072000000	WAD 4 GE BED	A.219
1072000000	WAD 4 GE BED	A.221
1072000000	WAD 4 GE BED	A.222
1072000000	WAD 4 GE BED	A.224
1072000000	WAD 4 GE BED	A.240
1072000000	WAD 4 GE BED	A.241
1072000000	WAD 4 GE BED	A.243
1072000000	WAD 4 GE BED	A.295
1072000000	WAD 4 GE BED	A.296
1072000000	WAD 4 GE BED	A.297
1072100000	WAD 4 WS	A.219
1072100000	WAD 4 WS	A.221
1072100000	WAD 4 WS	A.222
1072100000	WAD 4 WS	A.224
1072100000	WAD 4 WS	A.240
1072100000	WAD 4 WS	A.241
1072100000	WAD 4 WS	A.243
1072100000	WAD 4 WS	A.295
1072100000	WAD 4 WS	A.296
1072300000	WQV 70/95-PEN	A.257
1072300000	WQV 70/95-PEN	A.325
1072300000	WQV 70/95-PEN	B.11
1072400000	WQV 120-PEN	A.257
1072400000	WQV 120-PEN	A.325
1072400000	WQV 120-PEN	B.12
1072500000	WQV 16N-4/6	A.321
1072660000	WBB WDK2.5/BL5.08	A.299
1072760000	WBB ZA WDK2.5/BL5.08	A.299
1073100000	WQV 16N-2.5	A.321
1073200000	WAD 12N GE BED	A.231
1073200000	WAD 12N GE BED	B.166
1073290000	WAD 12N WS	A.231
1073290000	WAD 12N WS	B.166
1074200000	Q 20 WDL2.5S	A.320
1074200000	Q 20 WDL2.5S	B.198
1074200000	Q 20 WDL2.5S	B.199
1074200000	Q 20 WDL2.5S	B.200
1074200000	Q 20 WDL2.5S	B.201
1074600000	WAP WTR2.5/ZZ	A.281
1079200000	WQV 35N/2	A.233

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1079200000	WQV 35N/2	A.318
1079200000	WQV 35N/2	B.167
1079300000	WQV 35N/3	A.318
1079400000	WQV 35N/4	A.233
1079400000	WQV 35N/4	A.318
1079400000	WQV 35N/4	B.167
1079500000	WQB PEN 35N	A.325
1079600000	WQB PEN 16N	A.325
1079700000	WQB PEN 70N	A.325
1079900000	WSH 4 MT	B.154

## 1080000000

1080100000	WSH 5	B.152
1080200000	WSH 6	B.152
1082400000	BFEH 1/WSH	B.153
1083040000	PDU 6/10/4AN	A.72
1083050000	PSI 6/10	A.84
1083100000	WSH 18 MT	B.153
1083200000	WSH 19 MT	B.153
1083600000	WAD 16N GE BED	A.233
1083600000	WAD 16N GE BED	B.167
1083900000	SMSE WSH U1 MT	B.153
1084000000	WAP WDK2.5/4 N	A.242
1084000000	WAP WDK2.5/4 N	A.243
1084000000	WAP WDK2.5/4 N	A.244
1084000000	WAP WDK2.5/4 N	A.258
1084000000	WAP WDK2.5/4 N	A.259
1084080000	WAP WDK2.5/4 N BL	A.242
1084080000	WAP WDK2.5/4 N BL	A.243
1084080000	WAP WDK2.5/4 N BL	A.244
1084080000	WAP WDK2.5/4 N BL	A.258
1084770000	ZDT 2.5/2 V	A.182
1084780000	PTL 6/10/STB	B.94
1084780000	PTL 6/10/STB	B.95
1084790000	PTD 6/10/STB	B.95

## 1100000000

1107680000	WT4 4AN/2	A.294
1107780000	WAP WT4/4AN/2	A.294
1107790000	WP4/1AN/1	A.292
1107790000	WP4/1AN/1	A.294
1107800000	WP4/1AN/1	A.294
1108490000	WP4/1AN/1 ZA	A.292
1108490000	WP4/1AN/1 ZA	A.294

## 1110000000

1112910000	WAD 5 MC NE WS	A.220
1112910000	WAD 5 MC NE WS	A.221
1112910000	WAD 5 MC NE WS	A.223
1112910000	WAD 5 MC NE WS	B.165
1112920000	WAD 5 MC NE GE	A.220
1112920000	WAD 5 MC NE GE	A.221
1112920000	WAD 5 MC NE GE	A.223
1112920000	WAD 5 MC NE GE	B.165
1112940000	WAD 8 MC NE WS	A.226
1112940000	WAD 8 MC NE WS	A.228
1112940000	WAD 8 MC NE WS	A.244
1112940000	WAD 8 MC NE WS	A.245
1112940000	WAD 8 MC NE WS	A.246
1112940000	WAD 8 MC NE WS	A.247
1112940000	WAD 8 MC NE WS	A.259
1112940000	WAD 8 MC NE WS	B.42
1112950000	WAD 8 MC NE GE	A.226
1112950000	WAD 8 MC NE GE	A.228
1112950000	WAD 8 MC NE GE	A.244
1112950000	WAD 8 MC NE GE	A.245
1112950000	WAD 8 MC NE GE	A.246
1112950000	WAD 8 MC NE GE	A.247
1112950000	WAD 8 MC NE GE	A.259
1112950000	WAD 8 MC NE GE	B.42
1114220000	WDU 4/ZZ BL	A.223
1116710000	PS_ZQV_SET	A.212
1119700000	ZDK 4-2/ZAN	A.133
1119790000	WSI 6/2/LD 250AC LLC	A.269
1119800000	WSI 6/2/LD 10-36V LLC	A.269
1119810000	WSI 6/2/LD 30-70V LLC	A.269
1119820000	WSI 6/2/LD 60-150V LLC	A.269
1119830000	WSI 6/LD 30-70V LLC	A.268
1119840000	WSI 6/LD 10-36V LLC	A.268
1119850000	WSI 6/LD 60-150V LLC	A.268
1119870000	WSI 6/LD 250AC LLC	A.268

## 1120000000

1121740000	PS_ZQV	A.212
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## 1130000000

1131740000	ZDL2.5-2N PE	A.125
1131750000	ZDL2.5-2N/PE/L/L	A.125
1131760000	ZDL2.5-2N/PE/L/N	A.125
1137780000	WSI 25/1/10x38/LED 1KV	A.271
1137790000	WSI 25/1/10x38 1KV	A.271
1139570000	PPE 16/5	B.173
1139580000	PDU 16S	B.172
1139910000	PAP PDU16S	B.172

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1139910000	PAP PDU16S	B.173
1139910000	PAP PDU16S	B.202

## 1140000000

1142970000	WAD WMF2.5	B.146
1142980000	WBB WMF2.5 BLZ	B.146
1142990000	AP WMF2.5	B.138
1142990000	AP WMF2.5	B.139
1142990000	AP WMF2.5	B.140
1142990000	AP WMF2.5	B.141
1142990000	AP WMF2.5	B.142
1142990000	AP WMF2.5	B.143
1142990000	AP WMF2.5	B.146
1143000000	WMF 2.5 DI BLZ	B.141
1143010000	WMF 2.5 DI BLZ PE	B.142
1143020000	WMF 2.5 DI	B.138
1143030000	WMF 2.5 DI PE	B.139
1143050000	WMF 2.5 BLZ	B.141
1143070000	WMF 2.5	B.138

## 1150000000

1157820000	KT 14	B.91
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## 1160000000

1161690000	WTL 6 SL	B.111
1162600000	WEW 35/1 SW	B.136
1162600000	WEW 35/1 SW	C.13
1162600000	WEW 35/1 SW	C.19
1162610000	ZEW 35/2 SW	B.134
1162610000	ZEW 35/2 SW	B.135
1162610000	ZEW 35/2 SW	B.137
1162610000	ZEW 35/2 SW	B.184
1162610000	ZEW 35/2 SW	B.185
1162610000	ZEW 35/2 SW	C.19
1162820000	WMF 2.5 FU BLZ PE SW	B.143
1162830000	WMF 2.5 FU BLZ PE 10-36V SW	B.143
1162840000	WMF 2.5 FU BLZ PE 30-70V SW	B.143
1162850000	WMF 2.5 FU BLZ PE 60-150V SW	B.143
1162860000	WMF 2.5 FU BLZ PE 100-250V SW	B.143
1162920000	WMF 2.5 FU SW	B.140
1162930000	WMF 2.5 FU 10-36V SW	B.140
1162940000	WMF 2.5 FU 30-70V SW	B.140
1162950000	WMF 2.5 FU 60-150V SW	B.140
1162960000	WMF 2.5 FU 100-250V SW	B.140
1162980000	WMF 2.5 FU BLZ SW	B.143
1162990000	WMF 2.5 FU BLZ 10-36V SW	B.143
1163000000	WMF 2.5 FU BLZ 30-70V SW	B.143
1163010000	WMF 2.5 FU BLZ 60-150V SW	B.143
1163020000	WMF 2.5 FU BLZ 100-250V SW	B.143
1163040000	WMF 2.5 FU PE SW	B.140
1163050000	WMF 2.5 FU PE 10-36V SW	B.140
1163060000	WMF 2.5 FU PE 30-70V SW	B.140
1163070000	WMF 2.5 FU PE 60-150V SW	B.140
1163080000	WMF 2.5 FU PE 100-250V SW	B.140
1165070000	PAP PDU 6/10 4AN	A.72
1165130000	PDU 6/10/4AN BL	A.72
1165140000	PSI 6/10 SW	A.84
1165320000	PAP PTL/PSI 6/10	A.84
1165320000	PAP PTL/PSI 6/10	A.91
1165320000	PAP PTL/PSI 6/10	B.94
1165320000	PAP PTL/PSI 6/10	B.95
1165330000	PAP PTL/PSI 6/10 SW	A.84
1165330000	PAP PTL/PSI 6/10 SW	A.91
1165330000	PAP PTL/PSI 6/10 SW	B.95
1167440000	IL WMF2.5 BLZ OR	B.146
1167630000	FUCR SW	B.138
1167630000	FUCR SW	B.139
1167630000	FUCR SW	B.140
1167630000	FUCR SW	B.141
1167630000	FUCR SW	B.142
1167630000	FUCR SW	B.143
1167640000	FUCR 10-36V SW	B.138
1167640000	FUCR 10-36V SW	B.139
1167640000	FUCR 10-36V SW	B.140
1167640000	FUCR 10-36V SW	B.141
1167640000	FUCR 10-36V SW	B.142
1167640000	FUCR 10-36V SW	B.143
1167640000	FUCR 10-36V SW	B.146
1167680000	FUCR 100-250V SW	B.138
1167680000	FUCR 100-250V SW	B.139
1167680000	FUCR 100-250V SW	B.140
1167680000	FUCR 100-250V SW	B.141
1167680000	FUCR 100-250V SW	B.142
1167680000	FUCR 100-250V SW	B.143
1167850000	KLBU4-4-13.5 CPF16	B.157

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1224870000	FUSE 1KV DC 2A 10/38	A.271
1224870000	FUSE 1KV DC 2A 10/38	A.279
1224880000	FUSE 1KV DC 4A 10/38	A.271
1224880000	FUSE 1KV DC 4A 10/38	A.279
1224890000	FUSE 1KV DC 6A 10/38	A.271
1224890000	FUSE 1KV DC 6A 10/38	A.279
1224910000	FUSE 1KV DC 10A 10/38	A.271
1224910000	FUSE 1KV DC 10A 10/38	A.279
1224920000	FUSE 1KV DC 12A 10/38	A.271
1224920000	FUSE 1KV DC 12A 10/38	A.279
1224930000	FUSE 1KV DC 16A 10/38	A.271
1224930000	FUSE 1KV DC 16A 10/38	A.279
1224950000	FUSE 1KV DC 20A 10/38	A.271
1224950000	FUSE 1KV DC 20A 10/38	A.279
1227850000	ZEW 35/2 GR	C.19
1227890000	WEW 35/1 GR	C.13
1227890000	WEW 35/1 GR	C.19

## 1230000000

1230050000	TW PRV4 1-4	B.134
1230050000	TW PRV4 1-4	B.137
1230060000	TW PRV4 0-3	B.134
1230060000	TW PRV4 0-3	B.137
1230070000	TW PRV4 A-D	B.134
1230070000	TW PRV4 A-D	B.137
1230080000	TW PRV8 1-8	B.135
1230080000	TW PRV8 1-8	B.137
1230090000	TW PRV8 0-7	B.135
1230090000	TW PRV8 0-7	B.137
1230110000	TW PRV8 A-H	B.135
1230110000	TW PRV8 A-H	B.137
1230120000	TW PRV16 1-16	B.136
1230130000	TW PRV16 0-15	B.136
1230140000	TW PRV16 A-P	B.136
1231330000	WTR 4/ZZ STB BL	A.282
1231870000	PSI 6/10/LD 10-36V SW	A.84
1231880000	PSI 6/10/LD 10-36V	A.84
1233330000	HBT 2.5 - 4,6 BL	A.227
1233330000	HBT 2.5 - 4,6 BL	A.229
1233330000	HBT 2.5 - 4,6 BL	B.111
1233330000	HBT 2.5 - 4,6 BL	B.113
1233340000	HBT 1,5 - 4,6 RT	A.227
1233340000	HBT 1,5 - 4,6 RT	A.229
1233340000	HBT 1,5 - 4,6 RT	B.111
1233340000	HBT 1,5 - 4,6 RT	B.113
1238040000	ZEW 35 GR	C.19
1238880000	WAP WTL6 SL 4-6	B.111
1238880000	WAP WTL6 SL 4-6	B.113
1238920000	WTD 6 SL 0.STB	B.110
1238920000	WTD 6 SL 0.STB	B.111
1238930000	WTL 6 SL 0.STB	B.110
1238930000	WTL 6 SL 0.STB	B.111

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1246990000	SMSE WSH 135/60 MT	B.153
1247290000	WDK 2.5/TR-DU	A.288
1247310000	WDK 2.5/TR-DU STB	A.288
1247420000	WDK 2.5/TR-DU-PE	A.289
1247430000	WDK 2.5/TR-DU-PE STB	A.289

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1252490000	KLBUE 15-32 FM4	B.156
1252510000	KLBUE 10-20 FM4	B.156
1252520000	KLBUE 4-13.5 FM4	B.156
1252530000	KLBUE 3-8 FM4	B.156
1252540000	KLBUE 15-32 CPF16	B.157
1252550000	KLBUE 10-20 CPF16	B.157
1255010000	GWHUE M3 WTL6	B.94
1255010000	GWHUE M3 WTL6	B.95
1255010000	GWHUE M3 WTL6	B.110
1255010000	GWHUE M3 WTL6	B.111
1255010000	GWHUE M3 WTL6	B.112
1255010000	GWHUE M3 WTL6	B.113

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1265990000	ZSI 2X6/4X2.5	A.168
1267790000	PRV 16 BL 35X15 RT/WS	B.136
1267800000	PRV 16 BL 35X15 WS/RT	B.136
1267810000	PRV 16 BL 35X7.5 RT/WS	B.136
1267820000	PRV 16 BL 35X7.5 WS/RT	B.136
1267830000	PRV 8 BL 35X15 RT/WS	B.135
1267840000	PRV 8 BL 35X7.5 RT/WS	B.135
1267870000	PPV 8 BL 35X15 DGR	B.137
1267880000	PPV 8 BL 35X7.5 DGR	B.137
1267890000	PRV 4 BL 35X15 RT	B.134
1267900000	PRV 4 BL 35X7.5 RT	B.134
1267910000	PPV 4 BL 35X15 DGR	B.137
1267920000	PPV 4 BL 35X7.5 DGR	B.137
1267930000	BZT PRV16 BL 35X15	B.136
1267940000	BZT PRV16 BL 35X7.5	B.136
1267950000	BZT PRV8 BL 35X15	B.135
1267950000	BZT PRV8 BL 35X15	B.137
1267970000	BZT PRV8 BL 35X7.5	B.135
1267970000	BZT PRV8 BL 35X7.5	B.137
1267980000	BZT PRV4 BL 35X15	B.134

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1267990000	BZT PRV4 BL 35X7.5	B.134
1267990000	BZT PRV4 BL 35X7.5	B.137
1268000000	PAP PRV/PPV8 BL	B.135
1268000000	PAP PRV/PPV8 BL	B.137
1268010000	PAP PRV/PPV4 BL	B.134
1268010000	PAP PRV/PPV4 BL	B.137
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1269050000	EW 35 DB	C.19
1269070000	ZST 1	A.215

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1270070000	WMF 2.5 DI BL	B.138
1270080000	WMF 2.5 DI PE BL	B.139
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1271870000	ZTA ZVLD/ZA	A.211
1274660000	SDIS SL 0.6X3.5X100	A.98
1274660000	SDIS SL 0.6X3.5X100	A.99
1274660000	SDIS SL 0.6X3.5X100	A.100
1274660000	SDIS SL 0.6X3.5X100	A.101
1274660000	SDIS SL 0.6X3.5X100	A.106
1274660000	SDIS SL 0.6X3.5X100	A.107
1274660000	SDIS SL 0.6X3.5X100	A.108
1274660000	SDIS SL 0.6X3.5X100	A.109
1274660000	SDIS SL 0.6X3.5X100	A.114
1274660000	SDIS SL 0.6X3.5X100	A.115
1274660000	SDIS SL 0.6X3.5X100	A.116
1274660000	SDIS SL 0.6X3.5X100	A.118
1274660000	SDIS SL 0.6X3.5X100	A.119
1274660000	SDIS SL 0.6X3.5X100	A.122
1274660000	SDIS SL 0.6X3.5X100	A.123
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1274660000	SDIS SL 0.6X3.5X100	A.125
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1274660000	SDIS SL 0.6X3.5X100	A.133
1274660000	SDIS SL 0.6X3.5X100	A.134
1274660000	SDIS SL 0.6X3.5X100	A.135
1274660000	SDIS SL 0.6X3.5X100	A.136
1274660000	SDIS SL 0.6X3.5X100	A.137
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1274660000	SDIS SL 0.6X3.5X100	A.139
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1274660000	SDIS SL 0.6X3.5X100	A.148
1274660000	SDIS SL 0.6X3.5X100	A.149
1274660000	SDIS SL 0.6X3.5X100	A.150
1274660000	SDIS SL 0.6X3.5X100	A.151
1274660000	SDIS SL 0.6X3.5X100	A.152
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1274660000	SDIS SL 0.6X3.5X100	B.127
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1274660000	SDIS SL 0.6X3.5X100	B.136
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1274660000	SDIS SL 0.6X3.5X100	B.188
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1274680000	SDIS SL 1.0X5.5X125	A.73
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1274680000	SDIS SL 1.0X5.5X125	A.109
1274680000	SDIS SL 1.0X5.5X125	A.110
1274680000	SDIS SL 1.0X5.5X125	A.111
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1274680000	SDIS SL 1.0X5.5X125	B.175
1274680000	SDIS SL 1.0X5.5X125	B.186
1274680000	SDIS SL 1.0X5.5X125	B.187
1274680000	SDIS SL 1.0X5.5X125	B.189
1274680000	SDIS SL 1.0X5.5X125	B.191
1274680000	SDIS SL 1.0X5.5X125	B.192
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1278740000	ETA 1170 21 4A	A.167
1278750000	ETA 1170 21 5A	A.167
1278760000	ETA 1170 21 6A	A.167
1278770000	ETA 1170 21 7.5A	A.167
1278780000	ETA 1170 21 8A	A.167
1278790000	ETA 1170 21 10A	A.167
1278810000	ETA 1170 21 15A	A.167
1278820000	ETA 1170 21 20A	A.167
1278830000	ETA 1170 21 25A	A.167
1278840000	ETA 1180 01 0.1A	A.168
1278850000	ETA 1180 01 0.2A	A.168
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1278870000	ETA 1180 01 0.3A	A.168
1278880000	ETA 1180 01 0.4A	A.168
12788910000	ETA 1180 01 0.5A	A.168
1278920000	ETA 1180 01 0.6A	A.168
1278930000	ETA 1180 01 0.7A	A.168
1278940000	ETA 1180 01 0.8A	A.168
1278950000	ETA 1180 01 1A	A.168
1278960000	ETA 1180 01 1.5A	A.168
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1278980000	ETA 1180 01 2.5A	A.168
1278990000	ETA 1180 01 3A	A.168
1279010000	ETA 1180 01 3.5A	A.168
1279020000	ETA 1180 01 4A	A.168
1279030000	ETA 1180 01 5A	A.168
1279040000	ETA 1180 01 6A	A.168
1279050000	ETA 1180 01 7A	A.168
1279060000	ETA 1180 01 8A	A.168
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1283480000	TS END CAP 35X15	C.18
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1460600000	GZ 2.0A/F	A.278
1460610000	GZ 3.0A/F	A.169
1460610000	GZ 3.0A/F	A.278
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1460620000	GZ 5.0A/F	A.278
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1460630000	GZ 7.0A/F	A.278
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1460640000	GZ 10.0A/F	A.278
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1469080000	WDV 50N/5/3/1	A.318
1469090000	WDV 95N/120N/5/3/1	A.319

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1479000000	WEW 35/2 VO GF SW	B.91
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1513850000	APG 2.5 L GN	A.54
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1513880000	APG 2.5 MI	A.48
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1513890000	APGTB 2.5 PE 3C/1	A.49
1513900000	APG 2.5 MI BL	A.54
1513920000	APGTB 2.5 PE 4C/2	A.50
1513930000	APG 2.5 MI GN	A.54
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1521690000	A4C 2.5	A.8
1521690000	A4C 2.5	A.66
1521700000	A4C 2.5 BL	A.8
1521700000	A4C 2.5 BL	A.66
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1521740000	A3C 2.5	A.7
1521740000	A3C 2.5	A.34
1521740000	A3C 2.5	A.66
1521770000	A4C 2.5 GN	A.66
1521780000	A3C 2.5 BL	A.7
1521780000	A3C 2.5 BL	A.66
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1521830000	A3C 2.5 OR	A.66
1521840000	A3C 2.5 YL	A.66
1521850000	A2C 2.5	A.7
1521850000	A2C 2.5	A.66
1521870000	A3C 2.5 GN	A.66
1521880000	A2C 2.5 BL	A.7
1521880000	A2C 2.5 BL	A.66
1521890000	A3C 2.5 WT	A.66
1521900000	A2C 2.5 RD	A.66
1521920000	A3C 2.5 BK	A.66
1521930000	A2C 2.5 OR	A.66
1521940000	A2C 2.5 YL	A.66
1521950000	A2C 2.5 GN	A.66
1521970000	A2C 2.5 WT	A.66
1521980000	A2C 2.5 BK	A.66
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1527540000	ZQV 2.5N/2	A.34
1527540000	ZQV 2.5N/2	A.35
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1527540000	ZQV 2.5N/2	A.55
1527540000	ZQV 2.5N/2	A.56
1527540000	ZQV 2.5N/2	A.57
1527540000	ZQV 2.5N/2	A.58
1527540000	ZQV 2.5N/2	A.59
1527540000	ZQV 2.5N/2	A.60
1527540000	ZQV 2.5N/2	A.61
1527540000	ZQV 2.5N/2	A.62
1527540000	ZQV 2.5N/2	A.63
1527540000	ZQV 2.5N/2	A.64
1527540000	ZQV 2.5N/2	A.65
1527540000	ZQV 2.5N/2	A.66
1527540000	ZQV 2.5N/2	A.67
1527540000	ZQV 2.5N/2	A.68
1527540000	ZQV 2.5N/2	A.69
1527540000	ZQV 2.5N/2	A.70
1527540000	ZQV 2.5N/2	A.71
1527540000	ZQV 2.5N/2	A.72
1527540000	ZQV 2.5N/2	A.73
1527540000	ZQV 2.5N/2	A.74
1527540000	ZQV 2.5N/2	A.75
1527540000	ZQV 2.5N/2	A.76
1527540000	ZQV 2.5N/2	A.77
1527540000	ZQV 2.5N/2	A.78
1527540000	ZQV 2.5N/2	A.79
1527540000	ZQV 2.5N/2	A.80
1527540000	ZQV 2.5N/2	A.81
1527540000	ZQV 2.5N/2	A.82
1527540000	ZQV 2.5N/2	A.83
1527540000	ZQV 2.5N/2	A.84
1527540000	ZQV 2.5N/2	A.85
1527540000	ZQV 2.5N/2	A.86
1527540000	ZQV 2.5N/2	A.87
1527540000	ZQV 2.5N/2	A.88
1527540000	ZQV 2.5N/2	A.89
1527540000	ZQV 2.5N/2	A.90
1527540000	ZQV 2.5N/2	A.91
1527540000	ZQV 2.5N/2	A.92
1527540000	ZQV 2.5N/2	A.93
1527540000	ZQV 2.5N/2	A.94
1527540000	ZQV 2.5N/2	A.95
1527540000	ZQV 2.5N/2	A.96
1527540000	ZQV 2.5N/2	A.97
1527540000	ZQV 2.5N/2	A.98
1527540000	ZQV 2.5N/2	A.99
1527540000	ZQV 2.5N/2	A.100

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1527540000	ZQV 2.5N/2	B.44
1527540000	ZQV 2.5N/2	B.165
1527570000	ZQV 2.5N/3	A.62
1527570000	ZQV 2.5N/3	A.314
1527590000	ZQV 2.5N/4	A.62
1527590000	ZQV 2.5N/4	A.314
1527620000	ZQV 2.5N/5	A.62
1527620000	ZQV 2.5N/5	A.314
1527630000	ZQV 2.5N/6	A.62
1527630000	ZQV 2.5N/6	A.314
1527640000	ZQV 2.5N/7	A.62
1527640000	ZQV 2.5N/7	A.314
1527670000	ZQV 2.5N/8	A.62
1527670000	ZQV 2.5N/8	A.314
1527680000	ZQV 2.5N/9	A.62
1527680000	ZQV 2.5N/9	A.314
1527690000	ZQV 2.5N/10	A.7
1527690000	ZQV 2.5N/10	A.8
1527690000	ZQV 2.5N/10	A.11
1527690000	ZQV 2.5N/10	A.13
1527690000	ZQV 2.5N/10	A.16
1527690000	ZQV 2.5N/10	A.17
1527690000	ZQV 2.5N/10	A.18
1527690000	ZQV 2.5N/10	A.19
1527690000	ZQV 2.5N/10	A.20
1527690000	ZQV 2.5N/10	A.34
1527690000	ZQV 2.5N/10	A.38
1527690000	ZQV 2.5N/10	A.39
1527690000	ZQV 2.5N/10	A.40
1527690000	ZQV 2.5N/10	A.41
1527690000	ZQV 2.5N/10	A.48
1527690000	ZQV 2.5N/10	A.49
1527690000	ZQV 2.5N/10	A.50
1527690000	ZQV 2.5N/10	A.51
1527690000	ZQV 2.5N/10	A.62
1527690000	ZQV 2.5N/10	A.219
1527690000	ZQV 2.5N/10	A.220
1527690000	ZQV 2.5N/10	A.221
1527690000	ZQV 2	



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1528230000	ZQV 4N/10 BL	B.67
1528230000	ZQV 4N/10 BL	B.91
1528240000	ZQV 4N/50 BL	A.62
1528240000	ZQV 4N/50 BL	B.79
1528240000	ZQV 4N/50 BL	B.80
1528240000	ZQV 4N/50 BL	B.81
1528240000	ZQV 4N/50 BL	B.88
1528240000	ZQV 4N/50 BL	B.89
1528240000	ZQV 4N/50 BL	B.90
1528240000	ZQV 4N/50 BL	B.91

## 1540000000

1545710000	BLZ/SL KO BK BX 1885	B.144
1547490000	EBB 25-50/16	B.164
1547600000	JB 25-50	B.164
1547610000	A2T 2.5	A.16
1547620000	A2T 2.5 BL	A.16
1547640000	A2T 2.5 FT-PE	A.17
1547650000	A2T 2.5 VL	A.16
1547660000	A2T 2.5 VL BL	A.16
1547680000	A2T 2.5 PE	A.29
1547690000	AEP 2T 2.5	A.16
1547690000	AEP 2T 2.5	A.17
1547690000	AEP 2T 2.5	A.29
1547690000	AEP 2T 2.5	A.50
1547690000	AEP 2T 2.5	A.51
1547700000	AEP 2T 2.5 BL	A.16
1547700000	AEP 2T 2.5 BL	A.17
1547700000	AEP 2T 2.5 BL	A.50
1547700000	AEP 2T 2.5 BL	A.51
1548060000	APGTB 2.5 2T 4C/2	A.50
1548070000	APGTB 2.5 2T 4C/2 BL	A.50
1548130000	APGTB 2.5 2T FT-PE 4C/2	A.51
1548140000	APGTB 2.5 2T VL 4C/2	A.51
1548150000	APGTB 2.5 2T VL 4C/2 BL	A.51
1548160000	APGTB 2.5 2T PE 4C/2	A.51

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1552600000	AEP 2C 1.5	A.6
1552600000	AEP 2C 1.5	A.22
1552600000	AEP 2C 1.5	A.44
1552610000	AEP 2C 1.5 BL	A.6
1552610000	AEP 2C 1.5 BL	A.44
1552620000	AEP 3C 1.5	A.6
1552620000	AEP 3C 1.5	A.22
1552620000	AEP 3C 1.5	A.45
1552630000	AEP 3C 1.5 BL	A.6
1552630000	AEP 3C 1.5 BL	A.45
1552640000	AEP 4C 1.5	A.7
1552640000	AEP 4C 1.5	A.23
1552650000	AEP 4C 1.5 BL	A.7
1552660000	A4C 1.5 PE	A.23
1552670000	A3C 1.5 PE	A.22
1552680000	A2C 1.5 PE	A.22
1552690000	A4C 1.5	A.7
1552690000	A4C 1.5	A.66
1552700000	A4C 1.5 BL	A.7
1552700000	A4C 1.5 BL	A.66
1552720000	A4C 1.5 OR	A.6
1552740000	A3C 1.5	A.6
1552740000	A3C 1.5	A.66
1552770000	A3C 1.5 BL	A.6
1552770000	A3C 1.5 BL	A.66
1552780000	A3C 1.5 OR	A.66
1552790000	A2C 1.5	A.6
1552790000	A2C 1.5	A.66
1552820000	A2C 1.5 BL	A.6
1552820000	A2C 1.5 BL	A.66
1552830000	A2C 1.5 OR	A.66

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1560650000	WPD 101 2X25/2X16 GN	B.24
1560670000	WPD 101 2X25/2X16 BL	B.24
1560730000	WPD 101 2X25/2X16 GY	B.24
1561100000	WPD 101 2X25/2X16 BK	B.24
1561120000	WPD 101 2X25/2X16 BN	B.24
1561130000	WPD 301 2X25/2X16 3XGY	B.24
1561620000	WPD 202 4X35/4X25 GN	B.26
1561630000	WPD 102 2X35/2X25 BK	B.26
1561640000	WPD 102 2X35/2X25 BL	B.26
1561650000	WPD 102 2X35/2X25 GN	B.26
1561670000	WPD 102 2X35/2X25 GN	B.26
1561680000	WPD 102 2X35/2X25 GY	B.26
1561690000	WPD 202 4X35/4X25 BK	B.26
1561700000	WPD 202 4X35/4X25 BL	B.26
1561720000	WPD 202 4X35/4X25 GN	B.26
1561730000	WPD 202 4X35/4X25 BY	B.26
1561740000	WPD 302 2X35/2X25 3XGY	B.27
1561750000	WPD 501 2X25/2X16 5XGY	B.25
1561770000	WPD 103 2X70/2X50 GY	B.27
1561780000	WPD 103 2X70/2X50 BL	B.27
1561790000	WPD 103 2X70/2X50 GN	B.27
1561800000	WPD 401 2X25/2X16 4XGY	B.25
1561820000	WPD 103 2X70/2X50 BN	B.27
1561830000	WPD 103 2X70/2X50 BK	B.27
1561910000	WPD 100 2X25/6X10 GY	B.28

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1561920000	WPD 100 2X25/6X10 BL	B.28
1561930000	WPD 100 2X25/6X10 GN	B.28
1561960000	WQB WPD X05/2	B.30
1561960000	WQB WPD X05/2	B.31
1561970000	WQB WPD X05/3	B.30
1561970000	WQB WPD X05/3	B.31
1561980000	WQB WPD X04/2	B.28
1561980000	WQB WPD X04/2	B.29
1561990000	WQB WPD X04/3	B.28
1561990000	WQB WPD X04/3	B.29
1562000000	WPD 104 1x25+1x16/2x16+3x10 GY	B.28
1562090000	WPD 109 1X185/2X35+3X25+4X16 GY	B.33
1562100000	WPD 108 1X120/2X35+3X25+4X16 GY	B.33
1562130000	WPD 401 2X25/2X16 3XGY/1XBL	B.25
1562140000	WPD 501 2X25/2X16 1XGN/3XGY/1XBL	B.25
1562150000	WPD 204 2X25/4X16+6X10 2XGY	B.29
1562160000	WPD 304 3X25/6X16+9X10 3XGY	B.29
1562170000	WPD 105 1x35+1x16/2x25+3x16 GY	B.30
1562180000	WPD 205 2X35/4X25+6X16 2XGY	B.30
1562190000	WPD 305 3X35/6X25+9X16 3XGY	B.31
1562210000	WPD 106 1X70/2X25+3X16 GY	B.32
1562220000	WPD 107 1X95/2X35+8X25 GY	B.32
1563900000	WD 1 25 K KARTE A 6 ST	A.336
1563900000	WD 1 25 K KARTE A 6 ST	A.337
1563900000	WD 1 25 K KARTE A 6 ST	A.338
1563900000	WD 1 25 K KARTE A 6 ST	A.339
1563900000	WD 1 25 K KARTE A 6 ST	A.343

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1573010000	BLZ/SL KO OR BX	B.144
1577320000	WAP WDU1.5/BLZ/ZA	A.298
1577330000	WAP WDU1.5/BLZ	A.298
1577340000	WDU 1.5/BLZ 5.08	A.298
1577400000	WAD WDU1.5/BLZ/BLA	A.299
1577570000	WQV 2.5/20	A.318
1577600000	WQV 2.5/32	A.318

## 1590000000

1592810000	KLBLUE 4-13.5	B.150
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## 1600000000

1600480000	KLBLUE 3-8	B.150
1600490000	KLBLUE 10-20	B.150
1604200000	SSP WTL6/2	B.108
1604200000	SSP WTL6/2	B.114
1604200000	SSP WTL6/2	B.115
1604200000	SSP WTL6/2	B.116
1604200000	SSP WTL6/2	B.117
1604270000	WKS 1/2	B.109
1604270000	WKS 1/2	B.114
1604270000	WKS 1/2	B.115
1604270000	WKS 1/2	B.116
1604270000	WKS 1/2	B.117
1604280000	WKB 1/2	B.109
1604290000	WKS 1/3	B.109
1604290000	WKS 1/3	B.115
1604290000	WKS 1/3	B.117
1604300000	WKB 1/3	B.109
1604310000	WKS 1/4	B.109
1604310000	WKS 1/4	B.115
1604310000	WKS 1/4	B.117
1604320000	WKB 1/4	B.102
1604320000	WKB 1/4	B.109
1604330000	WKB 1/10	B.109
1607720000	ESD 7 DIN A4 WS	A.181
1608510000	ZDU 2.5	A.106
1608520000	ZDU 2.5 BL	A.106
1608540000	ZDU 2.5/3AN	A.106
1608550000	ZDU 2.5/3AN BL	A.106
1608570000	ZDU 2.5/4AN	A.107
1608580000	ZDU 2.5/4AN BL	A.107
1608600000	ZDU 2.5/2X2AN	A.107
1608610000	ZDU 2.5/2X2AN BL	A.107
1608620000	ZDU 6	A.109
1608630000	ZDU 6 BL	A.109
1608640000	ZPE 2.5	A.138
1608650000	ZPE 2.5/3AN	A.139
1608660000	ZPE 2.5/4AN	A.139
1608670000	ZPE 6	A.141
1608740000	ZAP/TW 1	A.106
1608740000	ZAP/TW 1	A.138
1608740000	ZAP/TW 1	A.170
1608740000	ZAP/TW 1	B.98
1608750000	ZAP/TW 1 BL	A.106
1608770000	ZAP/TW 2 DB	A.106
1608770000	ZAP/TW 2 DB	A.139
1608780000	ZAP/TW 2 BL	A.106
1608800000	ZAP/TW 3	A.107
1608800000	ZAP/TW 3	A.139
1608800000	ZAP/TW 3	A.154
1608800000	ZAP/TW 3	A.155
1608800000	ZAP/TW 3	A.156
1608800000	ZAP/TW 3	A.170
1608800000	ZAP/TW 3	A.171
1608800000	ZAP/TW 3	A.196
1608800000	ZAP/TW 3	A.197

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1608810000	ZAP/TW 3 BL	A.107
1608830000	ZAP/TW 5	A.109
1608830000	ZAP/TW 5	A.141
1608840000	ZAP/TW 5 BL	A.109
1608860000	ZQV 2.5/2	A.70
1608860000	ZQV 2.5/2	A.71
1608860000	ZQV 2.5/2	A.73
1608860000	ZQV 2.5/2	A.74
1608860000	ZQV 2.5/2	A.75
1608860000	ZQV 2.5/2	A.76
1608860000	ZQV 2.5/2	A.86
1608860000	ZQV 2.5/2	A.87
1608860000	ZQV 2.5/2	A.88
1608860000	ZQV 2.5/2	A.93
1608860000	ZQV 2.5/2	A.106
1608860000	ZQV 2.5/2	A.107
1608860000	ZQV 2.5/2	A.111
1608860000	ZQV 2.5/2	A.114
1608860000	ZQV 2.5/2	A.117
1608860000	ZQV 2.5/2	A.118
1608860000	ZQV 2.5/2	A.119
1608860000	ZQV 2.5/2	A.122
1608860000	ZQV 2.5/2	A.123
1608860000	ZQV 2.5/2	A.124
1608860000	ZQV 2.5/2	A.125
1608860000	ZQV 2.5/2	A.126
1608860000	ZQV 2.5/2	A.128
1608860000	ZQV 2.5/2	A.129
1608860000	ZQV 2.5/2	A.130
1608860000	ZQV 2.5/2	A.134
1608860000	ZQV 2.5/2	A.135
1608860000	ZQV 2.5/2	A.170
1608860000	ZQV 2.5/2	A.171
1608860000	ZQV 2.5/2	A.186
1608860000	ZQV 2.5/2	A.187
1608860000	ZQV 2.5/2	A.198
1608860000	ZQV 2.5/2	A.199
1608860000	ZQV 2.5/2	A.200
1608860000	ZQV 2.5/2	A.201
1608860000	ZQV 2.5/2	A.202
1608860000	ZQV 2.5/2	A.203
1608860000	ZQV 2.5/2	A.208
1608860000	ZQV 2.5/2	B.126
1608860000	ZQV 2.5/2	B.127
1608860000	ZQV 2.5/2	B.174
1608860000	ZQV 2.5/2	B.176
1608860000	ZQV 2.5/2	B.177
1608860000	ZQV 2.5/2	B.178
1608860000	ZQV 2.5/2	B.179
1608860000	ZQV 2.5/2	B.180
1608860000	ZQV 2.5/2	B.181
1608860000	ZQV 2.5/2	B.182
1608860000	ZQV 2.5/2	B.183
1608860000	ZQV 2.5/2	B.186
1608860000	ZQV 2.5/2	B.187
1608860000	ZQV 2.5/2	B.190
1608870000	ZQV 2.5/3	A.70
1608870000	ZQV 2.5/3	A.71
1608870000	ZQV 2.5/3	A.74
1608870000	ZQV 2.5/3	A.75
1608870000	ZQV 2.5/3	A.76
1608870000	ZQV 2.5/3	A.86
1608870000	ZQV 2.5/3	A.87
1608870000	ZQV 2.5/3	A.88
1608870000	ZQV 2.5/3	A.93
1608870000	ZQV 2.5/3	A.208
1608870000	ZQV 2.5/3	B.126
1608870000	ZQV 2.5/3	B.127
1608870000	ZQV 2.5/3	B.174
1608870000	ZQV 2.5/3	B.176
1608870000	ZQV 2.5/3	B.177
1608870000	ZQV 2.5/3	B.178
1608870000	ZQV 2.5/3	B.179
1608870000	ZQV 2.5/3	B.180
1608870000	ZQV 2.5/3	B.181
1608870000	ZQV 2.5/3	B.182
1608870000	ZQV 2.5/3	B.183
1608870000	ZQV 2.5/3	B.186
1608870000	ZQV 2.5/3	B.187
1608870000	ZQV 2.5/3	B.190
1608880000	ZQV 2.5/4	A.70
1608880000	ZQV 2.5/4	A.71
1608880000	ZQV 2.5/4	A.74
1608880000	ZQV 2.5/4	A.76
1608880000	ZQV 2.5/4	A.86
1608880000	ZQV 2.5/4	A.87
1608880000	ZQV 2.5/4	A.



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1614290000	ZRH 2.5/2 GR/V0	A.106
1614290000	ZRH 2.5/2 GR/V0	A.107
1614290000	ZRH 2.5/2 GR/V0	A.138
1614290000	ZRH 2.5/2 GR/V0	A.139
1614290000	ZRH 2.5/2 GR/V0	A.196
1614290000	ZRH 2.5/2 GR/V0	A.197
1614290000	ZRH 2.5/2 GR/V0	A.213
1614300000	ZRH 2.5/1 WS	A.106
1614300000	ZRH 2.5/1 WS	A.107
1614300000	ZRH 2.5/1 WS	A.138
1614300000	ZRH 2.5/1 WS	A.139
1614300000	ZRH 2.5/1 WS	A.196
1614300000	ZRH 2.5/1 WS	A.197
1614300000	ZRH 2.5/1 WS	A.213
1616330000	WFL 70/95	A.239
1616330000	WFL 70/95	B.7
1616340000	WFL 120/150	A.239
1616340000	WFL 120/150	B.9
1616400000	ZSI 2.5	A.154
1616410000	ZSI 2.5/LD 250AC	A.156
1616420000	ZSI 2.5/LD 120AC	A.156
1616430000	ZSI 2.5/LD 60AC	A.156
1616440000	ZSI 2.5/LD 28AC	A.156
1616460000	ZSI 2.5/2 500AC	A.157
1616470000	ZSI 2.5/2/LD 28AC	A.158
1616480000	ZSI 2.5/2/LD 60AC	A.158
1616490000	ZSI 2.5/2/LD 120AC	A.158
1616500000	ZSI 2.5/2/LD 250AC	A.158

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1627850000	ZQV 6/2 GE	A.109
1627850000	ZQV 6/2 GE	A.117
1627850000	ZQV 6/2 GE	A.154
1627850000	ZQV 6/2 GE	A.155
1627850000	ZQV 6/2 GE	A.156
1627850000	ZQV 6/2 GE	A.166
1627850000	ZQV 6/2 GE	A.167
1627850000	ZQV 6/2 GE	A.168
1627850000	ZQV 6/2 GE	A.171
1627850000	ZQV 6/2 GE	A.209
1627850000	ZQV 6/2 GE	B.97
1627850000	ZQV 6/2 GE	B.184
1627850000	ZQV 6/2 GE	B.185
1627850000	ZQV 6/2 GE	B.187
1627850000	ZQV 6/2 GE	B.191
1627860000	ZQV 6/3 GE	A.209
1627860000	ZQV 6/3 GE	B.97
1627860000	ZQV 6/3 GE	B.184
1627860000	ZQV 6/3 GE	B.185
1627860000	ZQV 6/3 GE	B.187
1627860000	ZQV 6/3 GE	B.191
1627870000	ZQV 6/4 GE	A.109
1627870000	ZQV 6/4 GE	A.111
1627870000	ZQV 6/4 GE	A.117
1627870000	ZQV 6/4 GE	A.154
1627870000	ZQV 6/4 GE	A.155
1627870000	ZQV 6/4 GE	A.156
1627870000	ZQV 6/4 GE	A.166
1627870000	ZQV 6/4 GE	A.171
1627870000	ZQV 6/4 GE	A.209
1627870000	ZQV 6/4 GE	B.97
1627870000	ZQV 6/4 GE	B.184
1627870000	ZQV 6/4 GE	B.185
1627870000	ZQV 6/4 GE	B.187
1627870000	ZQV 6/4 GE	B.191

## 1630000000

1632050000	ZDU 4	A.108
1632060000	ZDU 4 BL	A.108
1632080000	ZPE 4	A.139
1632090000	ZAP/TW 4	A.108
1632090000	ZAP/TW 4	A.139
1632100000	ZAP/TW 4 BL	A.108
1632130000	ZRH 1.5N/2	A.213
1632130000	ZRH 1.5N/2	B.126
1632130000	ZRH 1.5N/2	B.127
1632140000	ZRH 1.5N/1	A.213
1632140000	ZRH 1.5N/1	B.126
1632140000	ZRH 1.5N/1	B.127
1632290000	WTA 1 WDU1.5	A.221
1632290000	WTA 1 WDU1.5	A.222
1632290000	WTA 1 WDU1.5	A.224
1632290000	WTA 1 WDU1.5	A.224
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1632300000	WTA 1/ZA WDU1.5	A.221
1632300000	WTA 1/ZA WDU1.5	A.222
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1632300000	WTA 1/ZA WDU1.5	A.322
1632320000	WTA 2 WDU2.5-10	A.219
1632320000	WTA 2 WDU2.5-10	A.220
1632320000	WTA 2 WDU2.5-10	A.221
1632320000	WTA 2 WDU2.5-10	A.231
1632320000	WTA 2 WDU2.5-10	A.322
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1632320000	WTA 2 WDU2.5-10	B.166
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1632350000	WTA 3 WDU4	A.225
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1632360000	WTA 3/ZA WDU4	A.223
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1632380000	WTA 6 WTR2.5	A.322
1632390000	WTA 6/ZA WTR2.5	A.322
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1632200000	ZDS 2.5/2	A.158
1632200000	ZDS 2.5/2	A.209
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1632220000	ZDS 2.5/4	A.158
1632220000	ZDS 2.5/4	A.209
1632230000	ZDS 2.5/5	A.209
1632280000	VQB 1.5/50 BL	A.247
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1632290000	VQB 1.5/50 RT	A.247
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1635000000	WS 10/5 MC NE WS	A.71
1635000000	WS 10/5 MC NE WS	A.78
1635000000	WS 10/5 MC NE WS	A.79
1635000000	WS 10/5 MC NE WS	A.82
1635000000	WS 10/5 MC NE WS	A.86
1635000000	WS 10/5 MC NE WS	A.87
1635000000	WS 10/5 MC NE WS	A.88
1635000000	WS 10/5 MC NE WS	A.100
1635000000	WS 10/5 MC NE WS	A.101
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1635000000	WS 10/5 MC NE WS	A.128
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1635000000	WS 10/5 MC NE WS	A.197
1635000000	WS 10/5 MC NE WS	A.199
1635000000	WS 10/5 MC NE WS	A.200
1635000000	WS 10/5 MC NE WS	A.201
1635000000	WS 10/5 MC NE WS	A.202
1635000000	WS 10/5 MC NE WS	A.290
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1635000000	WS 10/5 MC NE WS	B.139
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1635000000	WS 10/5 MC NE WS	B.174
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1635000000	WS 10/5 MC NE WS	B.177
1635000000	WS 10/5 MC NE WS	B.186
1635000000	WS 10/5 MC NE WS	B.188
1635000000	WS 10/5 MC NE WS	B.189
1635000000	WS 10/5 MC NE WS	B.190
1635120000	VQB 1.5/50 SW	A.247
1635120000	VQB 1.5/50 SW	B.43
1636560000	WQV 16N/2	A.231
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1636570000	WQV 16N/3	A.319
1636580000	WQV 16N/4	A.231
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1636640000	ZRH 4/1 WS	A.108
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1640740000	WS 8/5 MC NE WS	B.200
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1646690000	ZZA 2.5	A.213
1649300000	ZVL 1.5	B.127
1649350000	ZZA 2.5/ZA	A.213
1649540000	ZAP/TW ZIA1.5/3L	B.126
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1650210000	WTA 7 WS16	A.322
1650340000	ZDU 2.5/2X2AN/D+	A.197
1650350000	ZDU 2.5/2X2AN/D-	A.197
1650360000	ZVL 1.5 BL	B.127
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1651970000	ZVL 1.5/PE GN/GE BED	B.127
1651980000	ZIA 1.5/3L-1S	B.126
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1652000000	ZIA 1.5/3L-PE	B.126
1652010000	ZIA 1.5/4L-1S	B.127
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1674300000	ZDK 2.5	A.122
1674650000	ZAP/TW ZPV1.5	B.126
1674730000	ZAP/TW ZDK2.5	A.122
1674730000	ZAP/TW ZDK2.5	A.123
1674730000	ZAP/TW ZDK2.5	A.150
1674730000	ZAP/TW ZDK2.5	A.199
1674730000	ZAP/TW ZDK2.5	A.200
1674730000	ZAP/TW ZDK2.5	A.201
1674730000	ZAP/TW ZDK2.5	A.202
1675350000	KLUBE 2X2.6	B.150
1676610000	BZT ZVL1.5	B.127
1676620000	BZT ZVL1.5/0/ZA	B.127
1676630000	ZPV 1.5	B.126
1677120000	ZQB 2.5-2	A.98
1677120000	ZQB 2.5-2	A.99
1677120000	ZQB 2.5-2	A.100
1677120000	ZQB 2.5-2	A.115
1677120000	ZQB 2.5-2	A.208
1678630000	ZDK 2.5 BL	A.122
1678680000	ZST	A.215
1678800000	ZRH 1.5H/2	A.114
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1678800000	ZRH 1.5H/2	A.122
1678800000	ZRH 1.5H/2	A.123
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1678800000	ZRH 1.5H/2	A.135
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1693880000	ZQV 2.5N/10 GE	B.143
1693940000	ZDK 2.5/LD RT/2	A.200
1694140000	ZDK 2.5 OR	A.199
1697540000	ZQV 2.5/50	B.126
1697540000	ZQV 2.5/50	B.127
1698160000	ZRV 1.5	A.186
1698170000	ZRV 1.5/PE	A.186
1698180000	AP ZRV1.5 DB	A.186
1698190000	STGH 4 ZRV1.5	A.186
1698200000	STGH 4 ZRV1.5/PE GN	A.186

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1704350000	ZDUB 2.5/2/2AN/DM	A.99
1704360000	ZDUB 2.5/2/2AN/DM BL	A.99
1704370000	ZDUB 2.5/2/2AN/DM DR	A.99
1704380000	ZDUB 2.5/2/2AN/DM GE	A.99
1704500000	ZDUB 2.5/2/2AN/DB	A.99
1704510000	ZDUB 2.5/2/2AN/DB BL	A.99
1704530000	ZDUB 2.5/2/2AN/DB GE	A.99
1704540000	ZDUB 2.5/2/4AN/DM	A.99
1704550000	ZDUB 2.5/2/4AN/DM BL	A.99
1704560000	ZDUB 2.5/2/4AN/DM DR	A.99
1704570000	ZDUB 2.5/2/4AN/DM GE	A.99
1704690000	ZDUB 2.5/2/4AN/DB	A.99
1704700000	ZDUB 2.5/2/4AN/DB BL	A.99
1704720000	ZDUB 2.5/2/4AN/DB GE	A.99
1704740000	ZBB ZDUB	A.99
1704750000	ZAP ZDUB	A.98
1704750000	ZAP ZDUB	A.99
1704750000	ZAP ZDUB	A.100
1704750000	ZAP ZDUB	A.137
1704760000	ZAP ZDUB BL	A.98
1704760000	ZAP ZDUB BL	A.99
1704760000	ZAP ZDUB BL	A.100
1704770000	ZAP ZDUB OR	A.98
1704770000	ZAP ZDUB OR	A.99
1704770000	ZAP ZDUB OR	A.100
1705310000	DFFC 0.2.0.35 ZRV1.5	A.186
1705320000	DFFC 5-1.0 ZRV1.5	A.186
1706010000	ZDU 2.5/2/3AN	A.114
1706040000	ZDU 2.5/2/3AN BL	A.114
1706060000	ZDU 2.5/2/4AN	A.115
1706070000	ZDU 2.5/2/4AN BL	A.115
1706090000	ZPE 2.5/2/3AN	A.144
1706100000	ZPE 2.5/2/4AN	A.145
1706110000	ZAP/TW7	A.114
1706110000	ZAP/TW7	A.115
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1706110000	ZAP/TW7	A.171
1706110000	ZAP/TW7	A.198
1706110000	ZAP/TW7	A.199
1706120000	ZAP/TW7 BL	A.114
1706120000	ZAP/TW7 BL	A.115

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1711930000	ZVL 1.5 0.QV	B.127
1712311001	KLBUE 4-13.5 SC	B.155
1712321001	KLBUE 10-20 SC	B.155
1712750000	ZDUB 2.5/2/2AN/15	A.100
1712760000	ZDUB 2.5/2/2AN/15 BL	A.100
1712770000	ZDUB 2.5/2/2AN/15 OR	A.100
1712780000	ZDUB 2.5/2/4AN/15	A.100
1712790000	ZDUB 2.5/2/4AN/15 BL	A.100
1712800000	ZDUB 2.5/2/4AN/15 OR	A.100
1712810000	ZPEB 2.5/2	A.137
1712820000	ZDUB 2.5/2/2AN/RC	A.98
1712830000	ZDUB 2.5/2/2AN/RC BL	A.98
1712970000	ZDUB 2.5/2/4AN/RC	A.98
1712980000	ZDUB 2.5/2/4AN/RC BL	A.98
1713000000	ZDUB 2.5/2/4AN/RC GE	A.98
1715970000	WSH 3/H/N	B.152
1716300000	KLBUE 15-32	B.150
1717740000	WPE 35N	A.255
1718341001	KLBUE 15-32 SC	B.155
1718550000	WNT 35N 10X3	B.196

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1720700000	ZVQ 2.5/1.5	A.124
1720700000	ZVQ 2.5/1.5	A.125
1720700000	ZVQ 2.5/1.5	A.126
1720700000	ZVQ 2.5/1.5	A.209
1720700000	ZVQ 2.5/1.5	A.291
1720700000	ZVQ 2.5/1.5	B.44
1720920000	ZDUA 2.5-2	A.101
1720930000	ZDUA 2.5-2 BL	A.101
1720940000	ZDUA 2.5-2 OR	A.101
1720950000	ZPEA 2.5-2	A.136
1720960000	ZAP/TW ZDUA	A.101
1720960000	ZAP/TW ZDUA	A.136
1720970000	ZAP/TW ZDUA BL	A.101

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1723800000	BS 35II KLBUE HOLDER	B.156
1723810000	BS 35II KLBUE3-8	B.156
1723820000	BS 35II/KLBUE 4-13.5	B.156
1724580000	FM 4.2/TS35	C.20

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1730900000	ZSI 2.5/5X25	A.156
1730940000	WDU 2.5N/600UL	A.222
1733640000	ZQV 6/32 GE	B.96
1733640000	ZQV 6/32 GE	B.184
1733640000	ZQV 6/32 GE	B.185
1739540000	ZDU 10S	B.187
1739550000	ZDU 10S BL	B.187
1739560000	ZNT 10S	B.191
1739570000	ZPE 10S	B.189
1739580000	ZDU 16S	B.187
1739590000	ZDU 16S BL	B.187
1739600000	ZNT 16S	B.191
1739610000	ZPE 16S	B.189
1739620000	ZDU 35	A.112
1739630000	ZDU 35 BL	A.112
1739640000	ZNT 35	B.192
1739650000	ZPE 35	A.143
1739660000	ZAP ZDU10/16S	B.187
1739660000	ZAP ZDU10/16S	B.189
1739660000	ZAP ZDU10/16S	B.191
1739660000	ZAP ZDU10/16S	B.193
1739680000	ZQV 10/2	A.110
1739680000	ZQV 10/2	A.209
1739680000	ZQV 10/2	B.118
1739680000	ZQV 10/2	B.119
1739680000	ZQV 10/2	B.187
1739680000	ZQV 10/2	B.193
1739690000	ZQV 16/2	A.73
1739690000	ZQV 16/2	A.81
1739690000	ZQV 16/2	A.93
1739690000	ZQV 16/2	A.111
1739690000	ZQV 16/2	A.209
1739690000	ZQV 16/2	B.172
1739690000	ZQV 16/2	B.173
1739690000	ZQV 16/2	B.187
1739690000	ZQV 16/2	B.191
1739700000	ZQV 35/2	A.112
1739700000	ZQV 35/2	A.209
1739890000	SCH-1-WINBLOC	B.155

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1742630000	BTWZ KLBUE	B.160
1742630000	BTWZ KLBUE	B.161
1745150000	ZAP/TW ZDU16	A.111
1745150000	ZAP/TW ZDU16	A.143
1745210000	ZAD 5/5	A.111
1745230000	ZDU 16	A.111
1745240000	ZDU 16 BL	A.111
1745250000	ZPE 16	A.143
1745350000	ZEI 16	A.111
1745400000	ZDTR 2.5	A.172
1745420000	AP ZDTR2.5	A.172
1745880000	ZDK 2.5V BL	A.122
1746730000	ZAD 4/5	A.110
1746750000	ZDU 10	A.110
1746760000	ZDU 10 BL	A.110
1746770000	ZPE 10	A.142
1747350000	TS 35x7.5 2M/CRN	C.117
1748660000	ZAP/TW ZDU10	A.110
1748660000	ZAP/TW ZDU10	A.142
1748800000	ZAP/TW ZDK2.5 BL	A.122
1748800000	ZAP/TW ZDK2.5 BL	A.123
1748800000	ZAP/TW ZDK2.5 BL	A.199
1749151001	KLBUE CO 3	B.151
1749161001	KLBUE CO 4	B.151
1749430000	BS 35II KLBUE3-8/2X2-6	B.156
1749580000	ZAP/TW 10/16	A.110
1749580000	ZAP/TW 10/16	A.111
1749580000	ZAP/TW 10/16	A.142
1749580000	ZAP/TW 10/16	A.143

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1752620000	ZAD 6/5	A.112
1752681001	KLBUE 3-8 CPF	B.157
1752691001	KLBUE 4-13.5 CPF	B.157
1752701001	KLBUE 10-20 CPF	B.157
1752711001	KLBUE 15-32 CPF	B.157
1753280000	WDU 1.5/RS.5	A.218
1753290000	WDK 1.5/RS.5	A.240
1753311001	KLBUE CO 1	B.151
1754170000	WDU 1.5/RS.5 BL	A.218
1754190000	WAP WDU1.5/RS.5	A.218
1754190000	WAP WDU1.5/RS.5	A.248
1754200000	WAP WDK1.5/RS.5	A.240
1754210000	ZQV 1.5N/RS.5/2 GE	A.218

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1754970000	WTL 4/STB	B.98
1755081001	KLBUE CO 5	B.151
1755270000	DEK 5/3.5 MC NE WS	A.104
1755270000	DEK 5/3.5 MC NE WS	A.105
1755270000	DEK 5/3.5 MC NE WS	A.120
1755270000	DEK 5/3.5 MC NE WS	A.121
1755270000	DEK 5/3.5 MC NE WS	A.137
1755270000	DEK 5/3.5 MC NE WS	A.138
1755270000	DEK 5/3.5 MC NE WS	A.150
1755270000	DEK 5/3.5 MC NE WS	A.218
1755270000	DEK 5/3.5 MC NE WS	A.240
1755270000	DEK 5/3.5 MC NE WS	A.248
1757970000	ZAP ZDU4/NT	B.192
1757980000	ZDU 4/NT	B.192
1758250000	ZQV 4N/2 GE	A.274
1758250000	ZQV 4N/2 GE	A.281
1758260000	ZQV 4N/10 GE	A.274
1758260000	ZQV 4N/10 GE	A.281

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1760720000	BS 35/WSH 2	B.153
1762420000	ZDU 10/NT	B.193
1763940000	WTR 2.5/SI	A.274
1763950000	WTR 2.5/SI LD 36V	A.274
1764100000	ZAP/TW ZDU16 BL	A.111
1764110000	ZAP/TW ZDU10 BL	A.110
1764550000	ZBS1 F.D SET	A.213
1764560000	ZAD 1/4-2 GE	A.114
1764560000	ZAD 1/4-2 GE	A.115
1764560000	ZAD 1/4-2 GE	A.128
1764560000	ZAD 1/4-2 GE	A.129
1764560000	ZAD 1/4-2 GE	A.130
1766240000	ZEI 16 BL	A.111
1767670000	ZPE 10/3AN	A.142
1767690000	ZDU 10/3AN	A.110
1767700000	ZDU 10/3AN BL	A.110
1768000000	ZMAK 2.5	A.127
1768000000	ZMAK 2.5	B.45
1768010000	ZAP ZMAK2.5	A.127
1768010000	ZAP ZMAK2.5	B.45
1768020000	BS 35II KLBUE2X3-8/2X2-6	B.156
1768090000	WS 14/5 MC NE WS	A.114
1768090000	WS 14/5 MC NE WS	A.171
1768090000	WS 14/5 MC NE WS	A.198
1768090000	WS 14/5 MC NE WS	A.199
1768310000	ZPE 16/3AN	A.143
1768320000	ZDU 16/3AN	A.111
1768330000	ZDU 16/3AN BL	A.111
1768520000	ZAP/TW 10/16 BL	A.110
1768520000	ZAP/TW 10/16 BL	A.111
1768800000	ZDK 2.5 EM	A.199

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1770360000	ZDU 4-2/3AN	A.115
1770370000	ZDU 4-2/2AN	A.115
1770380000	ZPE 4-2/2AN	A.145
1770390000	ZPE 4-2/3AN	A.145
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1770400000	ZAP ZDU4-2	A.116
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1770840000	ZDU 4-2/2AN BL	A.115
1770860000	ZDU 4-2/3AN BL	A.115
1770880000	ZAP ZDU4-2 BL	A.115
1770880000	ZAP ZDU4-2 BL	A.116
1771360000	ZPE 6-2/3AN	A.147
1771370000	ZPE 6-2/2AN	A.146
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1771410000	ZDU 6-2/3AN	A.117
1771420000	ZDU 6-2/3AN BL	A.117
1771440000	ZAP ZDU6-2	A.117
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1934690000	PAP PTR2 5/4/3AN	A.91
1934700000	PAP PTR2 5/4/4AN	A.87
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1948260000	BLZP 5.08HC/04/90 SN BK BX	B.144
1948300000	BLZP 5.08HC/08/90 SN BK BX	B.144
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1949800000	BLZP 5.08HC/02/90F SN OR BX	B.145
1949820000	BLZP 5.08HC/04/90F SN OR BX	B.145
1949860000	BLZP 5.08HC/08/90F SN OR BX	B.145
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1985530000	ZQV 1.5N/2 BL	A.62
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1985640000	ZQV 1.5N/8 BL	A.62
1985650000	ZQV 1.5N/2 RD	A.62
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1985660000	ZQV 1.5N/9 BL	A.62
1985670000	ZQV 1.5N/3 RD	A.62
1985680000	ZQV 1.5N/10 BL	A.62
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1985800000	ZQV 1.5N/10 RD	A.62
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1985800000	ZQV 1.5N/10 RD	B.124
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1985810000	ZQV 1.5N/20 RD	A.62
1985820000	ZQV 1.5N/50 RD	A.62
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2051260000	A2C 4 GN	A.66
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2108720000	ZQV 2.5N/6 RD	A.62
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2108810000	ZQV 2.5N/7 RD	A.62
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2466610000	AFS 2.5 CF 2C 12V BK	A.34
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2490370000	A2C 10 BL	A.12
2490380000	AEP 2C 10/16	A.12
2490380000	AEP 2C 10/16	A.27
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2490440000	A2C 10 PE	A.27
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7910310000	WTR 4 STB SL BL	A.284
7910330000	WTR 4 SI SL	A.275
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7921560000	SIHA 3/G20	A.88
7921560000	SIHA 3/G20	A.95
7921560000	SIHA 3/G20	A.170
7921560000	SIHA 3/G20	A.171
7921560000	SIHA 3/G20	A.185
7921560000	SIHA 3/G20	A.214
7921560000	SIHA 3/G20	A.280
7921560000	SIHA 3/G20	A.281
7921560000	SIHA 3/G20	A.282
7921560000	SIHA 3/G20	A.283
7921560000	SIHA 3/G20	A.288
7921560000	SIHA 3/G20	A.289
7921560000	SIHA 3/G20	A.324
7921560000	SIHA 3/G20	B.138
7921560000	SIHA 3/G20	B.139
7921560000	SIHA 3/G20/LD 10-36V	A.86
7921570000	SIHA 3/G20/LD 10-36V	A.87
7921570000	SIHA 3/G20/LD 10-36V	A.88
7921570000	SIHA 3/G20/LD 10-36V	A.95
7921570000	SIHA 3/G20/LD 10-36V	A.170
7921570000	SIHA 3/G20/LD 10-36V	A.171
7921570000	SIHA 3/G20/LD 10-36V	A.185
7921570000	SIHA 3/G20/LD 10-36V	A.214
7921570000	SIHA 3/G20/LD 10-36V	A.324
7921570000	SIHA 3/G20/LD 10-36V	A.86
7921570000	SIHA 3/G20/LD 10-36V	A.87
7921570000	SIHA 3/G20/LD 10-36V	A.88
7921570000	SIHA 3/G20/LD 10-36V	A.89
7921570000	SIHA 3/G20/LD 10-36V	A.95
7921570000	SIHA 3/G20/LD 10-36V	A.170
7921570000	SIHA 3/G20/LD 10-36V	A.171
7921570000	SIHA 3/G20/LD 10-36V	A.185
7921570000	SIHA 3/G20/LD 10-36V	A.214
7921570000	SIHA 3/G20/LD 10-36V	A.324
7921570000	SIHA 3/G20/LD 10-36V	A.86
7921570000	SIHA 3/G20/LD 10-36V	A.87
7921570000	SIHA 3/G20/LD 10-36V	A.88
7921570000	SIHA 3/G20/LD 10-36V	A.89
7921570000	SIHA 3/G20/LD 10-36V	A.95
7921570000	SIHA 3/G20/LD 10-36V	A.170
7921570000	SIHA 3/G20/LD 10-36V	A.171
7921570000	SIHA 3/G20/LD 10-36V	A.185
7921570000	SIHA 3/G20/LD 10-36V	A.214
7921570000	SIHA 3/G20/LD 10-36V	A.324

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7921570000	SIHA 3/G20/LD 10-36V	B.140
7921570000	SIHA 3/G20/LD 10-36V	B.141
7921570000	SIHA 3/G20/LD 10-36V	B.142
7921570000	SIHA 3/G20/LD 10-36V	B.143
7921570000	SIHA 3/G20/LD 10-36V	B.176
7921570000	SIHA 3/G20/LD 10-36V	B.177
7921580000	SIHA 3/G20/LD 35-70V	A.95
7921580000	SIHA 3/G20/LD 35-70V	A.214
7921580000	SIHA 3/G20/LD 35-70V	A.324
7921590000	SIHA 3/G20/LD 60-150V	A.95
7921590000	SIHA 3/G20/LD 60-150V	A.214
7921590000	SIHA 3/G20/LD 60-150V	A.324
7921600000	SIHA 3/G20/LD 140-250V	A.86
7921600000	SIHA 3/G20/LD 140-250V	A.87
7921600000	SIHA 3/G20/LD 140-250V	A.88
7921600000	SIHA 3/G20/LD 140-250V	A.95
7921600000	SIHA 3/G20/LD 140-250V	A.170
7921600000	SIHA 3/G20/LD 140-250V	A.171
7921600000	SIHA 3/G20/LD 140-250V	A.185
7921600000	SIHA 3/G20/LD 140-250V	A.214
7921600000	SIHA 3/G20/LD 140-250V	A.280
7921600000	SIHA 3/G20/LD 140-250V	A.281
7921600000	SIHA 3/G20/LD 140-250V	A.282
7921600000	SIHA 3/G20/LD 140-250V	A.283
7921600000	SIHA 3/G20/LD 140-250V	A.288
7921600000	SIHA 3/G20/LD 140-250V	A.289
7921600000	SIHA 3/G20/LD 140-250V	A.324
7921600000	SIHA 3/G20/LD 140-250V	B.138
7921600000	SIHA 3/G20/LD 140-250V	B.139
7921600000	SIHA 3/G20/LD 140-250V	B.140
7921600000	SIHA 3/G20/LD 140-250V	B.141
7921600000	SIHA 3/G20/LD 140-250V	B.142
7921600000	SIHA 3/G20/LD 140-250V	B.143
7921600000	SIHA 3/G20/LD 140-250V	B.176
7921600000	SIHA 3/G20/LD 140-250V	B.177

## 8010000000

8010040000	WDK 2.5 LD GR 1R 24VDC	A.305
8014670000	WDK 2.5 2D 1A	A.303

## 8020000000

8023610000	WDK 2.5 LD/GN 1R 24VDC	A.305
8023630000	WDK 2.5 LD RT 24VDC +	A.305
8025610000	WDK 2.5 1D	A.302

## 8160000000

8161820000	WDUL 4	A.301
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## 8630000000

8630740000	ZEW 35/2	A.12
8630740000	ZEW 35/2	A.13
8630740000	ZEW 35/2	A.14
8630740000	ZEW 35/2	A.15
8630740000	ZEW 35/2	A.16
8630740000	ZEW 35/2	A.17
8630740000	ZEW 35/2	A.18
8630740000	ZEW 35/2	A.19
8630740000	ZEW 35/2	A.20
8630740000	ZEW 35/2	A.27
8630740000	ZEW 35/2	A.28
8630740000	ZEW 35/2	A.29
8630740000	ZEW 35/2	A.30
8630740000	ZEW 35/2	A.44
8630740000	ZEW 35/2	A.45
8630740000	ZEW 35/2	A.46
8630740000	ZEW 35/2	A.47
8630740000	ZEW 35/2	A.50
8630740000	ZEW 35/2	A.51
8630740000	ZEW 35/2	A.76
8630740000	ZEW 35/2	A.126
8630740000	ZEW 35/2	A.152
8630740000	ZEW 35/2	A.203
8630740000	ZEW 35/2	B.44
8630740000	ZEW 35/2	B.48
8630740000	ZEW 35/2	B.49
8630740000	ZEW 35/2	B.50
8630740000	ZEW 35/2	B.51
8630740000	ZEW 35/2	B.54
8630740000	ZEW 35/2	B.55
8630740000	ZEW 35/2	B.56
8630740000	ZEW 35/2	B.57
8630740000	ZEW 35/2	B.62
8630740000	ZEW 35/2	B.63
8630740000	ZEW 35/2	B.64
8630740000	ZEW 35/2	B.66
8630740000	ZEW 35/2	B.176
8630740000	ZEW 35/2	B.177
8630740000	ZEW 35/2	B.178
8630740000	ZEW 35/2	B.179
8630740000	ZEW 35/2	B.180
8630740000	ZEW 35/2	B.181
8630740000	ZEW 35/2	B.182
8630740000	ZEW 35/2	B.183
8630740000	ZEW 35/2	C.19

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8670000000		
8670520000	ZDK 4-2/D forward	A.203
8670750000	ZDK 4-2	A.131
8670760000	ZAP/TW ZDK4-2	A.131
8670760000	ZAP/TW ZDK4-2	A.132
8670760000	ZAP/TW ZDK4-2	A.151
8670760000	ZAP/TW ZDK4-2	A.202
8670760000	ZAP/TW ZDK4-2	A.203
8670850000	ZDK 4-2 BL	A.131
8671050000	ZDK 4-2 PE	A.151
8671080000	ZDK 4-2 V	A.131
8671120000	ZDK 4-2/DU-PE	A.132

## 8700000000

8709760000	ZDK 4-2 EL	A.202
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## 8730000000

8731640000	WTR 2.5 BL	A.280
8731660000	WTR 2.5 STB2.3 BL	A.280
8731670000	WTR 2.5/Q.TNHE STB2.3	A.280
8731700000	WTR 2.5/Q.TNHE	A.280
8731710000	ZTR 2.5 BL	A.170
8731720000	ZTR 2.5/3AN	A.170
8731730000	ZTR 2.5/3AN BL	A.170

## 8810000000

8817920000	ZTR 6-2 E / 24V DC	B.162
8817930000	ZTR 6-2 E / 230V UC	B.162

## 8870000000

8870840000	SRC1 QV P	B.134
8870840000	SRC1 QV P	B.135
8870840000	SRC1 QV P	B.136
8870840000	SRC1 QV P	B.137

## 9000000000

9006060000	SWIFY SET	A.124
9006060000	SWIFY SET	A.125
9006060000	SWIFY SET	A.130
9006060000	SWIFY SET	A.260
9006060000	SWIFY SET	A.261
9006060000	SWIFY SET	A.301
9006060000	SWIFY SET	A.302
9006060000	SWIFY SET	A.303
9006060000	SWIFY SET	A.304
9006060000	SWIFY SET	A.305
9006060000	SWIFY SET	B.194
9006060000	SWIFY SET	B.195
9006060000	SWIFY SET	B.196
9006060000	SWIFY SET	B.198
9006060000	SWIFY SET	B.199
9006120000	CTI 6	B.119
9008320000	SDS 0.5X3.0X80	A.70
9008320000	SDS 0.5X3.0X80	A.71
9008320000	SDS 0.5X3.0X80	A.72
9008320000	SDS 0.5X3.0X80	A.74
9008320000	SDS 0.5X3.0X80	A.75
9008320000	SDS 0.5X3.0X80	A.78
9008320000	SDS 0.5X3.0X80	A.79
9008320000	SDS 0.5X3.0X80	A.80
9008320000	SDS 0.5X3.0X80	A.82
9008320000	SDS 0.5X3.0X80	A.84
9008320000	SDS 0.5X3.0X80	A.86
9008320000	SDS 0.5X3.0X80	A.87
9008320000	SDS 0.5X3.0X80	A.88
9008320000	SDS 0.5X3.0X80	A.151
9008320000	SDS 0.5X3.0X80	B.95
9008320000	SDS 0.5X3.0X80	B.174
9008320000	SDS 0.5X3.0X80	B.176
9008320000	SDS 0.5X3.0X80	B.177
9008330000	SDS 0.6X3.5X100	A.129
9008330000	SDS 0.6X3.5X100	A.160
9008330000	SDS 0.6X3.5X100	A.167
9008330000	SDS 0.6X3.5X100	A.168
9008330000	SDS 0.6X3.5X100	A.182
9008330000	SDS 0.6X3.5X100	A.203
9008330000	SDS 0.6X3.5X100	A.248
9008330000	SDS 0.6X3.5X100	A.249
9008330000	SDS 0.6X3.5X100	A.250</

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9008870000	SKS 2,0-8,0 MR	B.33
9008880000	TH-S 9-40	A.234
9008880000	TH-S 9-40	A.235
9008880000	TH-S 9-40	B.6
9008880000	TH-S 9-40	B.7
9008880000	TH-S 9-40	B.8
9009010000	SDS 1.2X6.5X150	A.254
9009010000	SDS 1.2X6.5X150	A.255
9009010000	SDS 1.2X6.5X150	B.120
9009010000	SDS 1.2X6.5X150	B.163
9009030000	SDS 0.4X2.5X75	A.76

## 9010000000

9014840000	HTF ZRV	A.186
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## 9030000000

9037160000	SDS 0.4X2.0X60	A.6
9037160000	SDS 0.4X2.0X60	A.7
9037160000	SDS 0.4X2.0X60	A.14
9037160000	SDS 0.4X2.0X60	A.15
9037160000	SDS 0.4X2.0X60	A.22
9037160000	SDS 0.4X2.0X60	A.23
9037160000	SDS 0.4X2.0X60	A.29
9037160000	SDS 0.4X2.0X60	A.44
9037160000	SDS 0.4X2.0X60	A.45
9037160000	SDS 0.4X2.0X60	A.46
9037160000	SDS 0.4X2.0X60	A.47
9037160000	SDS 0.4X2.0X60	A.104
9037160000	SDS 0.4X2.0X60	A.105
9037160000	SDS 0.4X2.0X60	A.120
9037160000	SDS 0.4X2.0X60	A.121
9037160000	SDS 0.4X2.0X60	A.137
9037160000	SDS 0.4X2.0X60	A.138
9037160000	SDS 0.4X2.0X60	A.150
9037160000	SDS 0.4X2.0X60	B.124
9037160000	SDS 0.4X2.0X60	B.125

## 9040000000

9042110000	SDIL 0.6x3.5x100	A.7
9042110000	SDIL 0.6x3.5x100	A.8
9042110000	SDIL 0.6x3.5x100	A.9
9042110000	SDIL 0.6x3.5x100	A.16
9042110000	SDIL 0.6x3.5x100	A.17
9042110000	SDIL 0.6x3.5x100	A.18
9042110000	SDIL 0.6x3.5x100	A.19
9042110000	SDIL 0.6x3.5x100	A.20
9042110000	SDIL 0.6x3.5x100	A.23
9042110000	SDIL 0.6x3.5x100	A.24
9042110000	SDIL 0.6x3.5x100	A.25
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9042110000	SDIL 0.6x3.5x100	A.29
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9042110000	SDIL 0.6x3.5x100	A.34
9042110000	SDIL 0.6x3.5x100	A.35
9042110000	SDIL 0.6x3.5x100	A.38
9042110000	SDIL 0.6x3.5x100	A.39
9042110000	SDIL 0.6x3.5x100	A.40
9042110000	SDIL 0.6x3.5x100	A.41
9042110000	SDIL 0.6x3.5x100	A.48
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9042110000	SDIL 0.6x3.5x100	A.50
9042110000	SDIL 0.6x3.5x100	A.51
9042110000	SDIL 0.6x3.5x100	B.44
9042110000	SDIL 0.6x3.5x100	B.55
9042110000	SDIL 0.6x3.5x100	B.57
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9042110000	SDIL 0.6x3.5x100	B.64
9042110000	SDIL 0.6x3.5x100	B.67
9042130000	SDIL 1.0x5.5x125	A.10
9042130000	SDIL 1.0x5.5x125	A.11
9042130000	SDIL 1.0x5.5x125	A.12
9042130000	SDIL 1.0x5.5x125	A.13
9042130000	SDIL 1.0x5.5x125	A.26
9042130000	SDIL 1.0x5.5x125	A.27
9042130000	SDIL 1.0x5.5x125	B.48
9042130000	SDIL 1.0x5.5x125	B.49
9042130000	SDIL 1.0x5.5x125	B.50
9042130000	SDIL 1.0x5.5x125	B.54
9042130000	SDIL 1.0x5.5x125	B.55
9042130000	SDIL 1.0x5.5x125	B.56
9042130000	SDIL 1.0x5.5x125	B.62
9042130000	SDIL 1.0x5.5x125	B.66

## 9200000000

9200090000	LIR 1.5M4 V	B.119
9200170000	LIR 2.5M4 V	B.119
9200230000	LIR 6M4 V	B.119
9201040000	HTF AFK 2.5	A.187
9201610000	WQV PEN 50N	A.255
9201610000	WQV PEN 50N	A.325
9201610000	WQV PEN 50N	B.10
9201630000	WQV PEN 95N/120N	A.256
9201630000	WQV PEN 95N/120N	A.325
9201630000	WQV PEN 95N/120N	B.11
9203060000	WDU 4 SL BL	A.225

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9205270000	ZUB MULTIMETER	B.52
9205270000	ZUB MULTIMETER	B.53
9205270000	ZUB MULTIMETER	B.58
9205270000	ZUB MULTIMETER	B.59
9205690000	SDIS 0.4X2.0X60	B.49
9205690000	SDIS 0.4X2.0X60	B.51

## 9510000000

9512190000	WDU 70N/35	A.235
9512190000	WDU 70N/35	B.7
9512200000	WPE 70N/35	A.256
9512200000	WPE 70N/35	B.10
9512210000	WNT 70N/35	B.196
9512240000	WQV 70N/2	A.235
9512240000	WQV 70N/2	A.318
9512240000	WQV 70N/2	B.7
9512240000	WQV 70N/2	B.168
9512250000	WQV 70N/3	A.235
9512250000	WQV 70N/3	A.318
9512250000	WQV 70N/3	B.7
9512250000	WQV 70N/3	B.168
9512260000	WAD 20 GE WSD	A.234
9512260000	WAD 20 GE WSD	A.235
9512260000	WAD 20 GE WSD	B.6
9512260000	WAD 20 GE WSD	B.7
9512260000	WAD 20 GE WSD	B.8
9512260000	WAD 20 GE WSD	B.167
9512260000	WAD 20 GE WSD	B.168
9512270000	WAD 20 WS	B.7
9512270000	WAD 20 WS	B.8
9512420000	WDU 70N/35 BL	A.235
9512420000	WDU 70N/35 BL	B.7

## 9520000000

9525840000	WQV 70N-PEN	A.256
9525840000	WQV 70N-PEN	A.325
9525840000	WQV 70N-PEN	B.10
9528070000	WDTR 2.5	A.287
9528080000	WDTR 2.5 BL	A.287
9528090000	WDTR 2.5/WE	A.287

## 9530000000

9531290000	WQV 70N/4	A.235
9531290000	WQV 70N/4	A.318
9531290000	WQV 70N/4	B.7
9531290000	WQV 70N/4	B.168
9532440000	KDKS 1/3S DB	A.276
9532470000	AP KDKS1 DB	A.276
9532470000	AP KDKS1 DB	A.277
9537440000	WDU 4 SL	A.225
9537450000	WDU 4 SL/EN	A.225
9537460000	WDU 6 SL	A.227
9537470000	WDU 6 SL/EN	A.227
9537480000	WDU 10 SL	A.229
9537490000	WDU 10 SL/EN	A.229
9537550000	SIHA 1/6/20	A.281
9537550000	SIHA 1/6/20	A.282
9537550000	SIHA 1/6/20	A.324
9537560000	SIHA 1/6/20 10-36V	A.281
9537560000	SIHA 1/6/20 10-36V	A.287
9537560000	SIHA 1/6/20 10-36V	A.324
9537640000	SIHA 2/6/20 140-250V	A.172
9537680000	SIHA STRAP	A.95
9537680000	SIHA STRAP	A.214
9537680000	SIHA STRAP	A.324
9538080000	WTL 6 SL/EN	B.112
9538080000	WTL 6 SL/EN	B.113
9538090000	WTD 6 SL	B.111
9538100000	WTD 6 SL/EN	B.112
9538100000	WTD 6 SL/EN	B.113
9538110000	WAP WTL6 SL	B.110
9538110000	WAP WTL6 SL	B.111
9538110000	WAP WTL6 SL	B.112
9538110000	WAP WTL6 SL	B.113

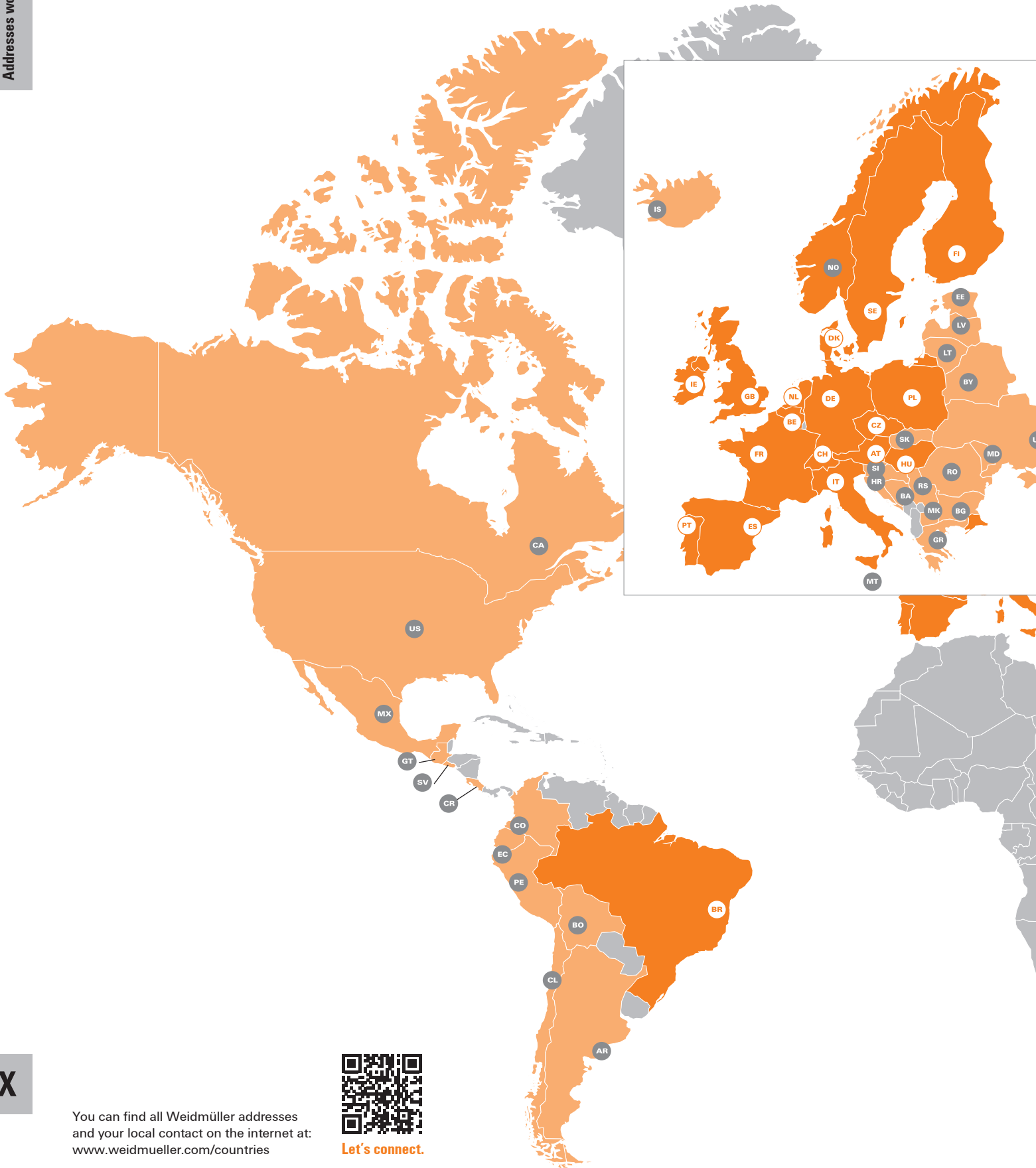
## 9540000000

9540000000	ZEW 35	A.6
9540000000	ZEW 35	A.7
9540000000	ZEW 35	A.8
9540000000	ZEW 35	A.9
9540000000	ZEW 35	A.10
9540000000	ZEW 35	A.11
9540000000	ZEW 35	A.22
9540000000	ZEW 35	A.23
9540000000	ZEW 35	A.24
9540000000	ZEW 35	A.25
9540000000	ZEW 35	A.26
9540000000	ZEW 35	A.27
9540000000	ZEW 35	A.38
9540000000	ZEW 35	A.39
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9540000000	ZEW 35	A.48
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9540000000	ZEW 35	A.71
9540000000	ZEW 35	A.72
9540000000	ZEW 35	A.73
9540000000	ZEW 35	A.74
9540000000	ZEW 35	A.75
9540000000	ZEW 35	A.78
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9540000000	ZEW 35	A.80
9540000000	ZEW 35	A.81
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9540000000	ZEW 35	A.198
9540000000	ZEW 35	A.199
9540000000	ZEW 35	A.200
9540000000	ZEW 35	A.201
9540000000	ZEW 35	A.202
9540000000	ZEW 35	A.203
9540000000	ZEW 35	B.45
9540000000	ZEW 35	B.52
9540000000	ZEW 35	B.53
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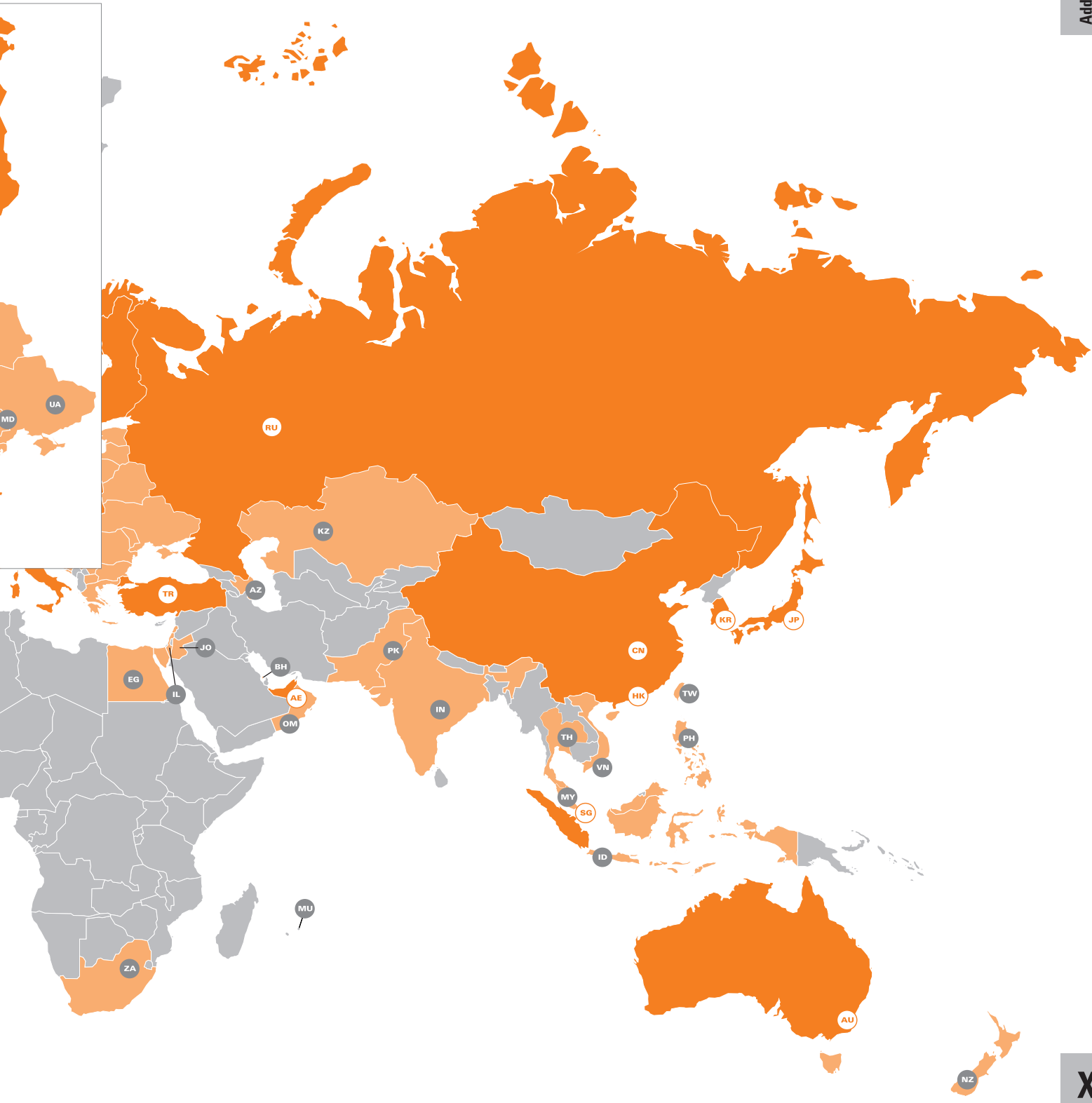


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Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 16  
32758 Detmold, Germany  
T +49 5231 14-0  
F +49 5231 14-292083  
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