

# Industrial Ethernet Solutions

Weidmüller offers a complete family of Industrial Ethernet products. This includes Switches, Routers and Media Converters, each supporting both Category 6 network cable and fiber optic connections. Also available is an entire line of Category 6 cables, patch cords, and all necessary connections including RJ45 terminations, DIN-rail adapters and couplers.

Weidmüller is your complete Industrial Ethernet connectivity solution!



## Basic Line

### Unmanaged Switches

- Plug and play switches in an IP30-rated rugged aluminum housing
- Compact and cost efficient design
- Fast Ethernet variants with 5 and 8 Ports
- 10/100BaseT(X) (RJ45 connector), 100BaseFX (multi/single-mode, SC or ST connector)
- Redundant dual 12/24/48 VDC, 18 to 30 V AC power inputs
- Hazardous area approvals, Class 1, Div 2 and ATEX



Basic Line

Device Description	Model Type	Operating Temp	Part No.
5 * RJ45	IE-SW-BL05-5TX	-10 to +60° C	1240840000
	IE-SW-BL05T-5TX	-40 to +75° C	1240850000
4 * RJ45, 1 * SC-Multimode	IE-SW-BL05-4TX-1SC	-10 to +60° C	1240890000
	IE-SW-BL05T-4TX-1SC	-40 to +75° C	1286550000
4 * RJ45, 1 * ST-Multimode	IE-SW-BL05-4TX-1ST	-10 to +60° C	1240880000
	IE-SW-BL05T-4TX-1ST	-40 to +75° C	1286540000
4 * RJ45, 1 * SC-Singlemode	IE-SW-BL05-4TX-1SCS	-10 to +60° C	1240870000
	IE-SW-BL05T-4TX-1SCS	-40 to +75° C	1286530000
8 * RJ45	IE-SW-BL08-8TX	-10 to +60° C	1240900000
	IE-SW-BL08T-8TX	-40 to +75° C	1286560000
6 * RJ45, 2 * SC-Multimode	IE-SW-BL08-6TX-2SC	-10 to +60° C	1240910000
	IE-SW-BL08T-6TX-2SC	-40 to +75° C	1240920000
6 * RJ45, 2 * ST-Multimode	IE-SW-BL08-6TX-2ST	-10 to +60° C	1240930000
	IE-SW-BL08T-6TX-2ST	-40 to +75° C	1286570000
6 * RJ45, 2 * SC-Singlemode	IE-SW-BL08-6TX-2SCS	-10 to +60° C	1412110000
	IE-SW-BL08T-6TX-2SCS	-40 to +75° C	1412120000
7 * RJ45, 1 * SC-Multimode	IE-SW-BL08-7TX-1SC	-10 to +60° C	1412070000
	IE-SW-BL08T-7TX-1SC	-40 to +75° C	1412080000
7 * RJ45, 1 * ST-Multimode	IE-SW-BL08-7TX-1ST	-10 to +60° C	1412090000
	IE-SW-BL08T-7TX-1ST	-40 to +75° C	1412100000
7 * RJ45, 1 * SC-Singlemode	IE-SW-BL08-7TX-1SCS	-10 to +60° C	1240950000
	IE-SW-BL08T-7TX-1SCS	-40 to +75° C	1286580000

### Accessories

Device Description	Model Type	Part No.
19" Rack Mounting Kit	RM-KIT	1241440000
Cable fixing kit	IE-CFK-05	1339610000

## Value Line

### Unmanaged Switches

- Plug and play switches in an IP30-rated rugged metal housing
- Fast Ethernet variants with 9 and 16 Ports
- Relay output warning for power failure and port break alarm
- Broadcast storm protection
- Transparent transmission of VLAN tagged packets
- Redundant dual 24 VDC power inputs
- Hazardous area approvals, Class 1, Div 2 and ATEX

Device Description	Model Type	Operating Temperature	Part No.
16 * RJ45	IE-SW-VL16-16TX	0 to +60° C	<b>124100000</b>
	IE-SW-VL16T-16TX	-40 to +75° C	<b>1286590000</b>
6 * RJ45, 3 * SC-Multimode	IE-SW-VL09T-6TX-3SC	-40 to +75° C	<b>1240980000</b>
14 * RJ45, 2 * SC-Multimode	IE-SW-VL16-14TX-2SC	0 to +60° C	<b>1241030000</b>
	IE-SW-VL16T-14TX-2SC	-40 to +75° C	<b>1286610000</b>
14 * RJ45, 2 * ST-Multimode	IE-SW-VL16-14TX-2ST	0 to +60° C	<b>1241050000</b>
	IE-SW-VL16T-14TX-2ST	-40 to +75° C	<b>1286620000</b>



Value Line Unmanaged Switch

### Managed Switches

- Plug and play switches in an IP30-rated rugged metal housing
- Turbo Ring and Turbo Chain with fast recovery time (under 20 ms)
- 5-, 6- and 8-Port variants, (multi/single-mode, SC or ST connector)
- Hazardous area approvals, Class 1, Div 2 and ATEX

Device Description	Model Type	Operating Temperature	Part No.
8 * RJ45	IE-SW-VL08MT-8TX	-40 to +75° C	<b>1240940000</b>
5 * RJ45, 3 * SC-Multimode	IE-SW-VL08MT-5TX-3SC	-40 to +75° C	<b>1240970000</b>
5 * RJ45, 1 * SC-Multimode, 2 * SC-Singlemode	IE-SW-VL08MT-5TX-1SC-2SCS	-40 to +75° C	<b>1345240000</b>
6 * RJ45, 2 * ST-Multimode	IE-SW-VL08MT-6TX-2ST	-40 to +75° C	<b>1240990000</b>
6 * RJ45, 2 * SC-Multimode	IE-SW-VL08MT-6TX-2SC	-40 to +75° C	<b>1344770000</b>
6 * RJ45, 2 * SC-Singlemode	IE-SW-VL08MT-6TX-2SCS	-40 to +75° C	<b>1241020000</b>



Value Line Managed Switch

## Premium Line

### Managed Switches

- Plug and play switches in an IP30-rated rugged metal housing
- Turbo Ring and Turbo Chain with fast recovery time (under 20 ms); RSTP/STP (IEEE 802.1w/D) for Ethernet redundancy
- Network management software available
- Hazardous area approvals, Class 1, Div 2 and ATEX

Device Description	Model Type	Operating Temperature	Part No.
8 * RJ45	IE-SW-PL08M-8TX	0 to 60° C	<b>1241040000</b>
	IE-SW-PL08MT-8TX	-40 to +75° C	<b>1286780000</b>
6 * RJ45, 2 * SC-Multimode	IE-SW-PL08M-6TX-2SC	0 to 60° C	<b>1241070000</b>
	IE-SW-PL08MT-6TX-2SC	-40 to +75° C	<b>1286790000</b>
6 * RJ45, 2 * ST-Multimode	IE-SW-PL08M-6TX-2ST	0 to 60° C	<b>1241080000</b>
	IE-SW-PL08MT-6TX-2ST	-40 to +75° C	<b>1286800000</b>
6 * RJ45, 2 * SC-Singlemode	IE-SW-PL08M-6TX-2SCS	0 to 60° C	<b>1241090000</b>
	IE-SW-PL08MT-6TX-2SCS	-40 to +75° C	<b>1286810000</b>
16 * RJ45	IE-SW-PL16M-16TX	0 to 60° C	<b>1241100000</b>
	IE-SW-PL16MT-16TX	-40 to +75° C	<b>1286820000</b>
14 * RJ45, 2 * SC-Multimode	IE-SW-PL16M-14TX-2SC	0 to 60° C	<b>1241120000</b>
	IE-SW-PL16MT-14TX-2SC	-40 to +75° C	<b>1286830000</b>
14 * RJ45, 2 * ST-Multimode	IE-SW-PL16M-14TX-2ST	0 to 60° C	<b>1241130000</b>
	IE-SW-PL16MT-14TX-2ST	-40 to +75° C	<b>1286840000</b>



Premium Line Managed Switch

## Gigabit Ethernet

### Unmanaged Switches

- Plug and play switches in an IP30-rated rugged metal housing
- Redundant dual 12/24/48 VDC power inputs
- Relay output warning for power failure and port break alarm
- Broadcast storm protection
- Hazardous area approvals, Class 1, Div 2 and ATEX



Device Description	Model Type	Operating Temperature	Part No.
5 * RJ45 10/100/1000BaseT(X)	IE-SW-BL05-5GT	0 to 60° C	<b>1241250000</b>
8 * RJ45 10/100/1000BaseT(X)	IE-SW-VL08-8GT	0 to +60° C	<b>1241270000</b>
10/100/1000BaseT(X)	IE-SW-VL08T-8GT	-40 to +75° C	<b>1286860000</b>
6 * RJ45 10/100/1000BaseT(X), 2 Combo Ports (10/100/1000 BaseT(X) or 100/1000BaseSFP)	IE-SW-VL08-6GT-2GS	0 to +60° C	<b>1241280000</b>
	IE-SW-VL08T-6GT-2GS	-40 to +75° C	<b>1286870000</b>



Gigabit Ethernet Unmanaged Switch

### Managed Switches

- Plug and play switches in an IP30-rated rugged metal housing
- Turbo Ring, Turbo Chain, and RSTP/STP for network redundancy
- Hazardous area approvals, Class 1, Div 2 and ATEX



Device Description	Model Type	Operating Temperature	Part No.
3 * RJ45 10/100/1000BaseT(X),	IE-SW-PL 10M-3GT-7TX	0 to 60° C	<b>1241290000</b>
7 * RJ45 10/100BaseT(X)	IE-SW-PL 10MT-3GT-7TX	-40 to +75° C	<b>1286930000</b>
1 * RJ45 10/100/1000BaseT(X),	IE-SW-PL 10M-1GT-2GS-7TX	0 to 60° C	<b>1241300000</b>
2 * Slots 1000BaseSFP, 7 * RJ45 10/100BaseT(X)	IE-SW-PL 10MT-1GT-2GS-7TX	-40 to +75° C	<b>1286940000</b>
16 * RJ45 10/100BaseT(X),	IE-SW-PL 18M-2GC-16TX	0 to +60° C	<b>1241320000</b>
2 * Kombi-Ports <sup>1</sup>	IE-SW-PL 18MT-2GC-16TX	-40 to +75° C	<b>1286970000</b>
14 * RJ45 10/100BaseT(X),	IE-SW-PL 18M-2GC 14TX2SC	0 to +60° C	<b>1241330000</b>
2 * SC-Multimode 100FX, 2 * Kombi-Ports <sup>1</sup>	IE-SW-PL 18MT-2GC 14TX2SC	-40 to +75° C	<b>1286990000</b>
14 * RJ45 10/100BaseT(X),	IE-SW-PL 18M-2GC 14TX2ST	0 to +60° C	<b>1241340000</b>
2 * ST-Multimode 100FX, 2 * Kombi-Ports <sup>1</sup>	IE-SW-PL 18MT-2GC 14TX2ST	-40 to +75° C	<b>1287000000</b>
14 * RJ45 10/100BaseT(X),	IE-SW-PL 18M-2GC 14TX2SCS	0 to +60° C	<b>1241350000</b>
2 * SC-Singlemode 100FX, 2 * Kombi-Ports <sup>1</sup>	IE-SW-PL 18MT- 2GC 14TX2SCS	-40 to +75° C	<b>1287010000</b>
4 * RJ45 10/100/1000BaseT(X)	IE-SW-PL09M-5GC-4GT	0 to 60° C	<b>1241370000</b>
5 * Kombi-Ports 10/100/1000BaseT(X) or 100/1000BaseSFP	IE-SW-PL09MT-5GC-4GT	-40 to +75° C	<b>1287020000</b>

<sup>1</sup>(10/100/1000 Base T(X) or 100/1000 Base SFP)



Gigabit Ethernet Managed Switch

## Power Over Ethernet (PoE) Switches

- 4 IEEE 802.3af/at compliant PoE and Ethernet combo ports
- Up to 30 watts per PoE port
- 24/48 VDC wide range redundant power inputs
- Intelligent power consumption detection and classification
- Redundant dual VDC power inputs
- Hazardous area approvals, Class 1, Div 2 and ATEX



Device Description	Operating Temp	Part No.
Unmanaged, 2 Copper-Ports FE, 4 Copper-Ports PoE+, Input Power 24-48 VDC	0° C to +60° C	<b>1241380000</b>
Managed, 2 Copper-Ports FE, 4 Copper-Ports PoE+, Input Power 24-48 VDC	0° C to +60° C	<b>1241390000</b>



PoE Switch

## Value Line

### Media Converters

- 10/100BaseT(X) auto-negotiation and auto-MDI/MDI-X
- Link Fault Pass-Through (LFP)
- Power failure, port break alarm by relay output
- Redundant power inputs
- Hazardous area approvals, Class 1, Div 2/Zone 2 and ATEX

Device Description	Operating Temp	Part No.
1 Copper-Port FE, 1 Fiber ports Multimode SC, Distance: 4 km	0° C to +60° C	<b>1241400000</b>
1 Copper-Port FE, 1 Fiber ports Multimode ST, Distance: 4 km	0° C to +60° C	<b>1241410000</b>
1 Copper-Port FE, 1 Fiber ports Single Mode SC, Distance: 40 km	0° C to +60° C	<b>1241420000</b>



Value Line Media Converter

## Industrial Serial to Ethernet Converters

### CommServers

- Convert or access your serial devices onto Ethernet networks
- Supports RS-232, RS-422 or RS-485
- Simple web interface for easy device configuration
- Integrated alarm relay output
- Units have integrated surge protection for both Serial and Ethernet ports and power supply
- Integrated two-port Ethernet Switch
- Available in single Serial or dual Serial versions
- Supports several operating modes including; TCP server, TCP client, UDP, Real COM, RFC 2217, reverse telnet, pair connection and Ethernet modem
- Hazardous area approvals, Class 1, Div 2/Zone 2 and ATEX

Device Description	Operating Temp	Part No.
Single Serial to Ethernet Converter	0° C to 60° C	<b>1242080000</b>
Dual Serial to Ethernet Converter	0° C to 60° C	<b>1242090000</b>



CommServers

## Wireless Access Point, Client, or Bridge

### Wireless WLAN Device 802.11a/b/g

- IEEE 802.11a/b/g compliant (2.4G and 5.8G)
- Visual signal strength meter on front of device
- Device can be configured as an access point, client, or bridge
- Can be powered directly via a power supply or via a Power over Ethernet (PoE) switch
- Full encryption including WEP, WPA/WPA2, RADIUS and server authentication (IEEE.802.11X)
- Supports "Turbo Roaming" allowing quick switching between wireless networks or cells
- Hazardous area approvals, Class 1, Div 2/Zone 2 and ATEX

Device Description	Operating Temp	Part No.
Wireless Networking Radio	0° C to 60° C	<b>1242110000</b>



Wireless Networking Radio





### CabinetLine Patch Cables

Cable Type	Length	Color	Jacket Material	Part No.
Cat.6A	0.5m	gray	LSZH	<b>1165940005</b>
Cat.6A	1m	gray	LSZH	<b>1165940010</b>
Cat.6A	2m	gray	LSZH	<b>1165940020</b>
Cat.6A	0.5m	blue	LSZH	<b>1165900005</b>
Cat.6A	1m	blue	LSZH	<b>1165900010</b>
Cat.6A	2m	blue	LSZH	<b>1165900020</b>
Cat.6A	0.5m	red	LSZH	<b>1166030005</b>
Cat.6A	1m	red	LSZH	<b>1166030010</b>
Cat.6A	2m	red	LSZH	<b>1166030020</b>
Cat.6A	0.5m	magenta	LSZH	<b>1201270005</b>
Cat.6A	1m	magenta	LSZH	<b>1201270010</b>
Cat.6A	2m	magenta	LSZH	<b>1201270020</b>
Cat.5	0.5m	green	PVC	<b>1166020005</b>
Cat.5	1m	green	PVC	<b>1166020010</b>
Cat.5	2m	green	PVC	<b>1166020020</b>
Cat.5	0.5m	green	PUR	<b>1166000005</b>
Cat.5	1m	green	PUR	<b>1166000010</b>
Cat.5	2m	green	PUR	<b>1166000020</b>



### Bulk Installation Cable

Device Description	Length	Part No.
<b>Copper</b>		
IE-5IC4x2xAWG24/1-PUR	100m	<b>8813160000</b>
IE-5IC4x2xAWG24/1-PVC	100m	<b>8813150000</b>
IE-7IC4x2xAWG24/1-PUR	100m	<b>8813140000</b>
IE-7IC4x2xAWG24/1-PVC	100m	<b>8813130000</b>

### Bulk Connection Cable

Description	Length	Part No.
<b>Copper</b>		
IE-5CC4x2xAWG26/7-PUR	100m	<b>8813200000</b>
IE-5CC4x2xAWG26/7-PVC	100m	<b>8813190000</b>
IE-7CC4x2xAWG26/7-PUR	100m	<b>8813180000</b>
IE-7CC4x2xAWG26/7-PVC	100m	<b>8813170000</b>

### Accessories

Device Description	Type	Operating Temp	Part No.
External Backup and Restore Module	EBR-Module RS232	0° C to +60° C	<b>1241430000</b>
19"-Rack Mounting Kit for DIN-rail devices	RM-KIT	0° C to +60° C	<b>1241440000</b>
Gigabit Ethernet, Multimode, LC Connector, 500m	IE-SFP-1GSXLC	0° C to +60° C	<b>1241490000</b>
Gigabit Ethernet, Multimode, LC Connector, 2 km	IE-SFP-1GLSXLC	0° C to +60° C	<b>1241500000</b>
Gigabit Ethernet, Single Mode, LC Connector, 10 km	IE-SFP-1GLXLC	0° C to +60° C	<b>1241510000</b>
Gigabit Ethernet, Single Mode, LC Connector, 40 km	IE-SFP-1GLHXLC	0° C to +60° C	<b>1241520000</b>
WDM-Type, Gigabit Ethernet, LC Connector, 10 km, Tx 1310 nm, Rx 1550 nm, must be paired with IE-SFP-1G10BLC	IE-SFP-1G10ALC	0° C to +60° C	<b>1241530000</b>
WDM-Type, Gigabit Ethernet, LC Connector, 10 km, Tx 1550 nm, Rx 1310 nm, must be paired with IE-SFP-1G10ALC	IE-SFP-1G10BLC	0° C to +60° C	<b>1241540000</b>
WDM-Type, Gigabit Ethernet, LC Connector, 20 km, Tx 1310 nm, Rx 1550 nm, must be paired with IE-SFP-1G20BLC	IE-SFP-1G20ALC	0° C to +60° C	<b>1241550000</b>
WDM-Type, Gigabit Ethernet, LC Connector, 20 km, Tx 1550 nm, Rx 1310 nm, must be paired with IE-SFP-1G20ALC	IE-SFP-1G20BLC	0° C to +60° C	<b>1241570000</b>
Fast Ethernet, Multimode, LC Connector, 4 km	IE-SFP-1FEMLC-T	-40° C to +85° C	<b>1241450000</b>
Fast Ethernet, Single Mode, LC Connector, 40 km	IE-SFP-1FESLC-T	-40° C to +85° C	<b>1241470000</b>
Fast Ethernet, Single Mode, LC Connector, 80 km	IE-SFP-1FELLC-T	-40° C to +85° C	<b>1241480000</b>

Note: WDM-type SFP modules must be used in pairs (e.g. SFP-1GXXALC and SFP-1GXXBLC)



EBR-Module RS232



Rack Mounting Kit











1-port Gigabit Ethernet SFP Modules



1-port Fast Ethernet SFP Modules







## IP67 Industrial Ethernet Connections

### Metal Plug

Housings				Variant 1 Bayonet		Variant 14 PushPull RJ		Variant 14 PushPull Fiber-optic		Variant 5 HDC
										
Inserts				With KS	Without KS	With KS	Without KS	With KS	Without KS	Without KS
	<b>RJ45 AWG 24 crimp</b>		<b>1962720000</b>	<b>1963150000</b>	<b>1963140000</b>	<b>1012070000</b>	<b>1012160000</b>	<b>1058110000</b>	<b>1058100000</b>	<b>1963110000</b>
	<b>RJ45 AWG 22 tool-free</b>	TIA-A/-B/-P	<b>1962730000</b>	<b>1963130000</b>	<b>1963120000</b>	<b>1012090000</b>	<b>1012170000</b>			<b>1963200000</b>
	<b>LWL SC</b>	MM	<b>1962750000</b>	<b>1963270000</b>	<b>1963260000</b>			<b>Please order separately</b>		
		SM	<b>1962760000</b>	<b>1963310000</b>	<b>1963300000</b>			<b>Please order separately</b>		
		POF	<b>1962770000</b>	<b>1963290000</b>	<b>1963280000</b>			<b>Please order separately</b>		
	<b>LWL LC</b>	MM	<b>1962780000</b>	<b>1963230000</b>	<b>1963220000</b>			<b>Please order separately</b>		
		SM	<b>1962790000</b>	<b>1963250000</b>	<b>1963240000</b>			<b>Please order separately</b>		
<b>Protective cap</b>				<b>1965690000</b>		<b>1058280000</b>		<b>1058280000</b>		<b>1968920000</b>

KS = anti-kink protection

### Plastic Plug

Individual Components				Housings		Variant 1 Bayonet		Variant 4 PushPull	
Sets									
Inserts				With KS	Without KS	With KS	Without KS		
	<b>RJ45 AWG 24 crimp</b>		<b>1962720000</b>	<b>1012460000</b>	<b>1012440000</b>	<b>1962530000</b>	<b>1962520000</b>		
	<b>RJ45 AWG 22 tool-free</b>	TIA-A/-B/-P	<b>1962730000</b>	<b>1012570000</b>	<b>1012490000</b>	<b>1963170000</b>	<b>1963160000</b>		
	<b>LWL SC</b>	MM	<b>1962750000</b>	<b>Please order separately</b>		<b>1963370000</b>	<b>1963360000</b>		
		SM	<b>1962760000</b>	<b>Please order separately</b>		<b>1963410000</b>	<b>1963400000</b>		
		POF	<b>1962770000</b>	<b>Please order separately</b>		<b>1963390000</b>	<b>1963380000</b>		
	<b>LWL LC</b>	MM	<b>1962780000</b>	<b>Please order separately</b>		<b>1963330000</b>	<b>1963320000</b>		
		SM	<b>1962790000</b>	<b>Please order separately</b>		<b>1963350000</b>	<b>1963340000</b>		
<b>Protective cap</b>				<b>1965690000</b>		<b>1963890000</b>			

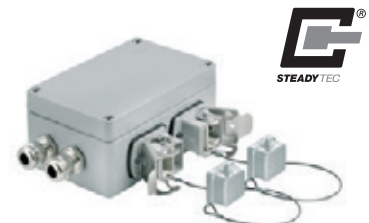
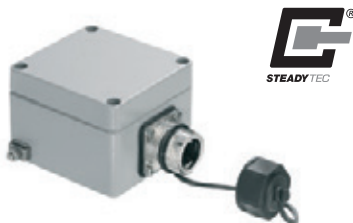
KS = anti-kink protection

### Outlet Boxes IP67 Plastic



Description	Type	Part No.
Outlet Plastic V04	IE-OP-V04P-1S	<b>1045780000</b>
Cable Coupler V04	IE-CC-V04P	<b>1045960000</b>
Outlet Plastic V01	IE-OP-V01P-1S	<b>1061830000</b>
Cable Coupler V01	IE-CC-V01P	<b>1061820000</b>

### Outlet Boxes IP67














Type	Part No.
Bayonet V 01, 1 port, straight	<b>1966300000</b>
Bayonet V 01, 2 ports, left	<b>1966320000</b>
Bayonet V 01, 2 ports, right	<b>1966310000</b>
Bayonet V 01, 2 ports, straight	<b>1966330000</b>

Type	Part No.
Push Pull V 04, 1 port, straight	<b>1966220000</b>
Push Pull V 04, 2 ports, left	<b>1966240000</b>
Push Pull V 04, 2 ports, right	<b>1966230000</b>
Push Pull V 04, 2 ports, straight	<b>1966250000</b>








Type	Part No.
RockStar® V 05, 1 port, straight	<b>1966260000</b>
RockStar® V 05, 2 ports, left	<b>1966280000</b>
RockStar® V 05, 2 ports, right	<b>1966270000</b>
RockStar® V 05, 2 ports, straight	<b>1966290000</b>

## IP67 Industrial Ethernet Connections - continued

### Metal Flange

		Housings		Variant 1 Bayonet	Variant 14 PushPull RJ		Variant 14 PushPull fiber-optic		Variant 5 HDC
									
				1963540000	1011540000	1047950000			1963530000
	<b>RJ45 coupling</b>		1962840000	1963470000	1012310000	1058250000			1963510000
	<b>RJ45 module</b>	TIA-A	1962850000	1963480000	1012320000	1058270000			1963460000
		TIA-B	1963840000	Please order separately	Please order separately	Please order separately			Please order separately
		Profinet	1963830000	Please order separately	1085260000	Please order separately			1963700000
	<b>SC/SCRJ coupling</b>	Multi Mode	1964430000	1964450000			1058120000	1062590000	
		Single Mode	1962870000	1963440000			1058140000	1062600000	
	<b>LC Duplex coupling</b>	Multi Mode	1964420000	1964440000			1058130000	1062610000	
		Single Mode	1962880000	1963430000			1058150000	1062620000	
	<b>USB coupling</b>		1019570000	Please order separately	Please order separately	Please order separately			Please order separately
	<b>Protective cap</b>			1965700000	1058310000		1058310000	1058310000	1665750000

### Plastic Flange

		Housings		Variant 1 Bayonet	Variant 4 PushPull
					
				1016960000	1963520000
	<b>RJ45 coupling</b>		1962840000	1012370000	1963490000
	<b>RJ45 module</b>	TIA-A	1962850000	1012380000	1963500000
		TIA-B	1963840000	Please order separately	1963730000
		Profinet	1963830000	Please order separately	Please order separately
	<b>SC/SCRJ coupling</b>	Multi Mode	1964430000	Please order separately	1964470000
		Single Mode	1962870000	Please order separately	1963420000
	<b>LC Duplex coupling</b>	Multi Mode	1964420000	Please order separately	1964460000
		Single Mode	1962880000	Please order separately	1963450000
	<b>USB coupling</b>		1019570000	Please order separately	Please order separately
	<b>Protective cap</b>			1965700000	1963900000

### M12 Adaptors and Coupler



Description	Type	Part No.
Adaptor, 90°	IE-M12-Adap a	8901630000
Adaptor, straight	IE-M12-Adap s	8901620000
Coupler	IE-M12-Coup	8901640000

### Front Panel Interface FrontCom®



Description	Type	Part No.
RJ45 Coupling	IE-FCM-RJ45-C	1018790000
TIA-A Module	IE-FCM-RJ45-FJ-A	1018810000
TIA-B Module	IE-FCM-RJ45-FJ-B	1018820000
Profinet Ethernet Module	IE-FCM-RJ45-FJ-P	1018830000
USB Coupling	IE-FCM-USB-A	1018840000
USB Coupling	IE-FCM-USB-AB	1222550000

### Network Terminal Blocks

Description	Connection	Part No.
IE-TO-RJ45-C	RJ45 Coupling	8946920000
IE-TO-RJ45-FJ-A	RJ45, TIA-A Module	8946930000
IE-TO-RJ45-FJ-B	RJ45, TIA-B Module	8946940000
IE-TO-RJ45-FJ-P	RJ45, Profinet Ethernet Module	8946950000
IE-TO-USB	USB-A Coupling	8946960000
IE-TO-SCD-MM	SCD Multi-mode Fiber	8946970000
IE-TO-SCD-SM	SCD Single-mode Fiber	8946980000



Network Terminal Blocks

## IP20 Industrial Ethernet Connections

### RJ45 Field Installation

Description	Connection	Part No.
IE-PS-RJ45-FH-BK	Copper	1963600000



RJ45 Field Installation

### Accessories

Description	Type
Switch Mark Marking Tags	SM27/18