

Contents

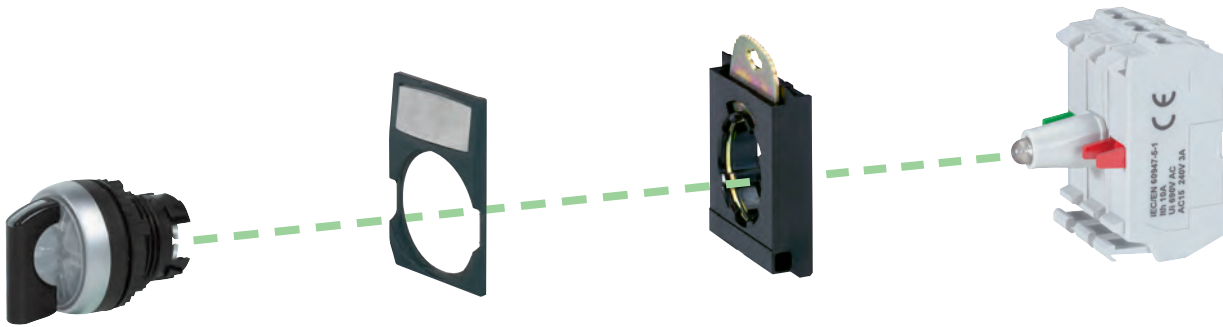
8 ► CONTROL AND SIGNALING UNITS Ø 22

Complete Devices - Non-illuminated heads Ø 22	12
Complete Devices - Illuminated heads Ø 22	21
Non-illuminated heads Ø 22	29
Illuminated heads Ø 22	48
Block sub-assemblies.....	57
Clips.....	68
Blocks.....	69
Legend Plates.....	76
Accessories.....	86
Din-Rail Assemblies.....	92
Control Stations	93
Empty Enclosures.....	100
Technical Specifications.....	106

120 ► CONTROL AND SIGNALING UNITS Ø 30

Complete Devices - Non-illuminated heads Ø 30	121
Complete Devices - Illuminated heads Ø 30	127
Non illuminated heads Ø 30	133
Illuminated heads Ø 30	141
Block sub-assemblies.....	57
Clips.....	68
Blocks.....	69
Legend Plates.....	145
Accessories.....	148
Control Stations	151
Empty Enclosures.....	153
Technical Specifications.....	154

A complete range of devices



Heads

- Integrated Anti-Rotation Ring
- NEMA 4x, IP66, IP67, IP69k
- Modern ergonomic design
- Wide range of functions

Accessories

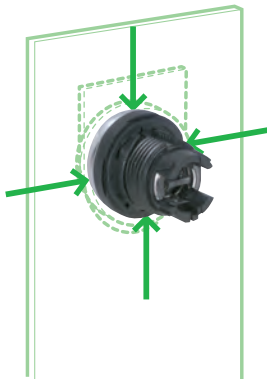
- Legend plates
- Guards
- Shrouds

Clips

- Enhanced rigidity
- Metal locking lever
- Available in 1, 3 or 5 positions

Contact/LED Modules

- Simple to snap onto clips
- Stackable
- LED blocks



Auto-grip ring

Specially designed gasket holds heads firmly in the mounting hole during assembly



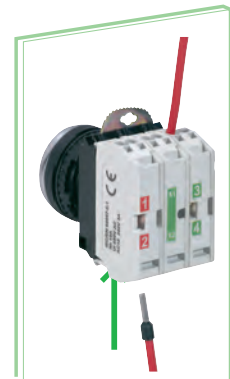
Locking ring

Tighten the locking ring to 3 Nm fix the head to the panel



Fixing

Locate block onto head and lock in place by rotating the metal latch



Quick connection

No tool required for wires with ferrules. New plug-in terminals



Screw Terminals

Our most popular option for a traditional connection



Plug In Terminals

Using spring clamp terminals for a completely safe and time saving solution



Faston Terminals

Quickly and easily wire using 1/4" or .110" connectors



PCB Terminals

No tool required for wires with ferrules. New plug-in terminals

Providing solutions for all applications



IK5

Twin touch
innovative design



IP66 / IP69K
NEMA 4x



Ø 22.3 mm cut-out



Optional cut-out required
for anti-rotation tab



Mushroom head
EN 418 / ISO 13850
illuminated

Illuminated head
5 colors,
LED light source

Selector switches
with key, handle,
lever handle, or
knob



Legend Plates

- Frames can be rotated to 4 positions (0° ; 90° ; 180° and 270°)
- Special legend plate for twin touch
- Choice between 5 colors, blank or pre-engraved



Tampo Printing

- Durable markings
- Button plates can be mounted in 4 positions (0° ; 90° ; 180° and 270°)



Bezels

- Choice of Chrome or Black Bezel

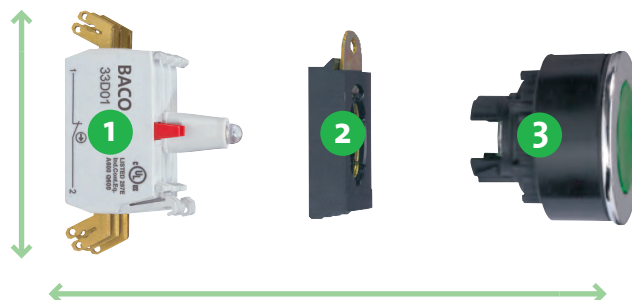
COMPLETE UNITS

- Control and signalling units are supplied ready for use with head, clip and block(s)
- A single product code provides a solution for the most common needs



SEPARATE UNITS & CUSTOMIZED SOLUTIONS

- Maximum flexibility
- For numerous possible solutions



Products for severe environments

► BACO provides solutions for harsh industrial environments.

BACO's 22mm control and signalling devices are available in plastic bodies and can be fitted with an external shroud to protect against liquid and dust ingress into the head itself. All 22mm devices are rated to a minimum IP66 and Type 4X environmental ratings. Many standard operators have more stringent IP67 and IP69K ratings.



Emergency Stops
IP66
IP69K
NEMA 4X



Pushbuttons
IP66
IP69K
NEMA 4X



Selectors
IP66
IP69K
NEMA 4X



Twin Touch
IP66
NEMA 4X



Pilot Lights
IP66
IP69K
NEMA 4X

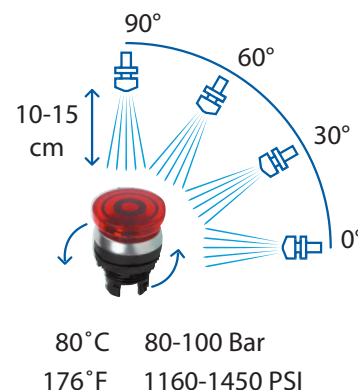
► What is IP69K?

- IP69K is an IEC protection degree rating
- A device having the IP69K rating is **protected against close-range high pressure, high temperature spray downs**

► Do I need IP69K protection?

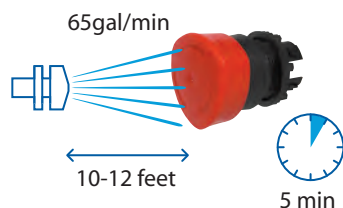
- If your application is in the food, beverage or pharmaceutical industry chances are you already require IP69K ratings.
- Any high-pressure, high temperature wash down applications would benefit from IP69K protection.

► Tough and robust according to **IP69K**

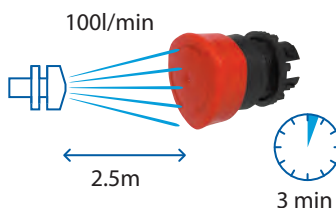


► Additional ratings for harsh environments

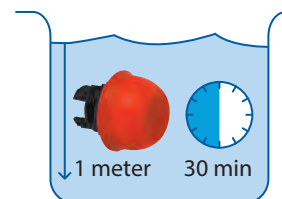
► Watertight according to **NEMA 4x**



► Waterproof according to **IP66**



► Waterproof according to **IP67**



Customized Solutions!

► **Baco Controls provides custom Control Stations**

Baco Controls offers the convenience of ordering custom assembled control stations. We have laser engraving machines to create custom nameplates for your application. We offer various enclosure sizes and materials to meet your specifications.



Part number of non-illuminated operator head.
See pages 29 to 44 for non-illuminated operator heads.

L21AA01 - **3** **E** **1** **1** **Y7**
a *b* *c* *d* *e*

<i>a</i>	
CLIP	
Code	Description
1	single module
3	three modules
4	three modules (when using 33E11 contact blocks)
5	five modules

TERMINAL STYLE	
Code	Description
E	Screw and Clamp
ED	Stab (Quick Connect)
EP	PCB
ER	Plug In

N.O. (NORMALLY OPEN) CONTACTS	
Code	Description
0	No Contact
1	1 N.O.
2	2 N.O.
3	3 N.O.
4	4 N.O.
5	5 N.O.
6	6 N.O.

d

N.C. (NORMALLY CLOSED) CONTACTS	
Code	Description
0	No Contact
1	1 N.C.
2	2 N.C.
3	3 N.C.
4	4 N.C.
5	5 N.C.
6	6 N.C.

SPECIALTY BLOCKS	
Code	Description
C	Late Break N.C. (Screw and Clamp terminals only)
Y7	Gold Plated Contacts (Screw and Clamp or PCB terminals only)

Complete units: Push-buttons ø 22mm

► SPRING RETURN - NON-ILLUMINATED



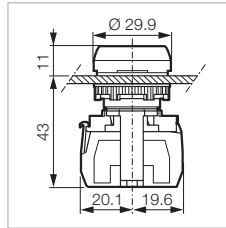
FLUSH

Chrome Bezel
Part Number

Black Bezel
Part Number



L21AA01-1E01



WITH SINGLE POSITION CLIP

● Red	NC
● Green	NO
● Black	NC
● Black	NO
● Yellow	NO
○ White	NO
● Blue	NO

L21AA01-1E01
L21AA02-1E10
L21AA03-1E01
L21AA03-1E10
L21AA04-1E10
L21AA05-1E10
L21AA06-1E10

L22AA01-1E01
L22AA02-1E10
L22AA03-1E01
L22AA03-1E10
L22AA04-1E10
L22AA05-1E10
L22AA06-1E10

WITH INTERNATIONAL SYMBOLS

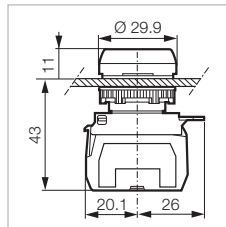
● Red	NC
● Green	NO

L21AA81-1E01
L21AA82-1E10

L22AA81-1E01
L22AA82-1E10



L22AA02-3E10



WITH THREE POSITION CLIP

● Red	NC
● Green	NO
● Black	NC
● Black	NO
● Yellow	NO
○ White	NO
● Blue	NO

L21AA01-3E01
L21AA02-3E10
L21AA03-3E01
L21AA03-3E10
L21AA04-3E10
L21AA05-3E10
L21AA06-3E10

L22AA01-3E01
L22AA02-3E10
L22AA03-3E01
L22AA03-3E10
L22AA04-3E10
L22AA05-3E10
L22AA06-3E10

● Red	NO + NC
● Green	NO + NC
● Black	NO + NC
● Yellow	NO + NC
○ White	NO + NC
● Blue	NO + NC

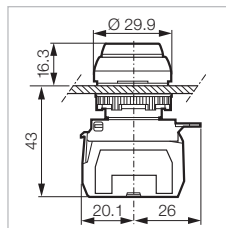
L21AA01-3E11
L21AA02-3E11
L21AA03-3E11
L21AA04-3E11
L21AA05-3E11
L21AA06-3E11

L22AA01-3E11
L22AA02-3E11
L22AA03-3E11
L22AA04-3E11
L22AA05-3E11
L22AA06-3E11

PROJECTING



L21AB04-3E11



WITH SINGLE POSITION CLIP

● Red	NC
● Green	NO
● Black	NO
● Yellow	NO
○ White	NO
● Blue	NO

L21AB01-1E01
L21AB02-1E10
L21AB03-1E10
L21AB04-1E10
L21AB05-1E10
L21AB06-1E10

L22AB01-1E01
L22AB02-1E10
L22AB03-1E10
L22AB04-1E10
L22AB05-1E10
L22AB06-1E10

WITH THREE POSITION CLIP

● Red	NO + NC
● Green	NO + NC
● Black	NO + NC
● Yellow	NO + NC
○ White	NO + NC
● Blue	NO + NC

L21AB01-3E11
L21AB02-3E11
L21AB03-3E11
L21AB04-3E11
L21AB05-3E11
L21AB06-3E11

L22AB01-3E11
L22AB02-3E11
L22AB03-3E11
L22AB04-3E11
L22AB05-3E11
L22AB06-3E11

WITH INTERNATIONAL SYMBOL

● Red	NC
-------	----

L21AB01B-1E01

L22AB31A70-1E01

Complete units: Push-buttons ø 22mm

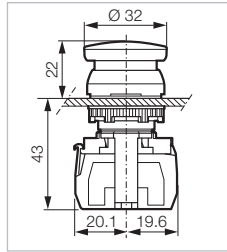
► SPRING RETURN - NON-ILLUMINATED

 Technical Info (p. 106)

ø 32 MUSHROOM



L21AC01-1E01



WITH SINGLE POSITION CLIP

● Red	NC
● Green	NO
● Black	NO
● Yellow	NO

Chrome Bezel
Part Number

Black Bezel
Part Number

L21AC01-1E01
L21AC02-1E10
L21AC03-1E10
L21AC04-1E10

L22AC01-1E01
L22AC02-1E10
L22AC03-1E10
L22AC04-1E10

WITH THREE POSITION CLIP

● Red	NC
● Green	NO
● Black	NO
● Yellow	NO

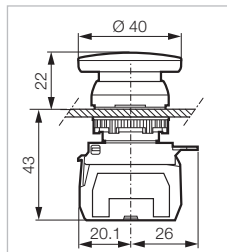
L21AC01-3E01
L21AC02-3E10
L21AC03-3E10
L21AC04-3E10

L22AC01-3E01
L22AC02-3E10
L22AC03-3E10
L22AC04-3E10

ø 40 MUSHROOM



L22AD01-3E01



WITH SINGLE POSITION CLIP

● Red	NC
● Green	NO
● Black	NO
● Yellow	NO

L21AD01-1E01
L21AD02-1E10
L21AD03-1E10
L21AD04-1E10

L22AD01-1E01
L22AD02-1E10
L22AD03-1E10
L22AD04-1E10

WITH THREE POSITION CLIP

● Red	NC
● Green	NO
● Black	NO
● Yellow	NO

L21AD01-3E01
L21AD02-3E10
L21AD03-3E10
L21AD04-3E10

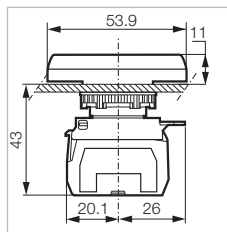
L22AD01-3E01
L22AD02-3E10
L22AD03-3E10
L22AD04-3E10

FLUSH-FLUSH

Twin touch



L62QA21-3E11



WITH INTERNATIONAL SYMBOLS

● Green	NO
● Red	NC

L61QA21-3E11

L62QA21-3E11

WITH TEXT

● Green (START)	NO
● Red - (STOP)	NC

L61QA21B-3E11

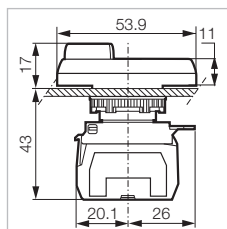
L62QA21B-3E11

FLUSH-PROJECTING

Twin touch



L61QB21-3E11



WITH INTERNATIONAL SYMBOLS

● Green	NO
● Red	NC

L61QB21-3E11

L62QB21-3E11

WITH TEXT

● Green (START)	NO
● Red (STOP)	NC

L61QB21B-3E11

L62QB21B-3E11

Complete units: Push-buttons ø 22mm

► SPRING RETURN - NON-ILLUMINATED

 Technical Info (p. 106)

FLUSH-PROJECTING-FLUSH

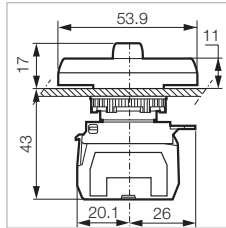
Triple touch

Chrome Bezel
Part Number

Black Bezel
Part Number



L62BA22G-3E21



WITH ARROWS AND TEXT

-  Green NO
-  Red (STOP) NC
-  Green NO

L61BA22-3E21

L62BA22-3E21

-  Green NO
-  Red (STOP) NC
-  Green NO

L61BA22B-3E21

L62BA22B-3E21

WITH TEXT

-  Green (UP) NO
-  Red (STOP) NC
-  Green (DOWN) NO

L61BA22G-3E21

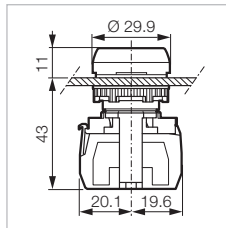
L62BA22G-3E21

► MAINTAINED - NON-ILLUMINATED

FLUSH



L21CA01-1E01



-  Red NC
-  Green NO
-  Black NO
-  Yellow NO
-  White NO
-  Blue NO

L21CA01-1E01

L22CA01-1E01

L21CA02-1E10

L22CA02-1E10

L21CA03-1E10

L22CA03-1E10

L21CA04-1E10

L22CA04-1E10

L21CA05-1E10

L22CA05-1E10

L21CA06-1E10

L22CA06-1E10

-  Red NO + NC
-  Green NO + NC
-  Black NO + NC
-  Yellow NO + NC
-  White NO + NC
-  Blue NO + NC

L21CA01-3E11

L22CA01-3E11

L21CA02-3E11

L22CA02-3E11

L21CA03-3E11

L22CA03-3E11

L21CA04-3E11

L22CA04-3E11

L21CA05-3E11

L22CA05-3E11

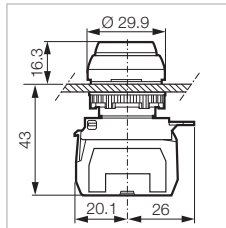
L21CA06-3E11

L22CA06-3E11

PROJECTING



L21CB04-3E11



-  Red NC
-  Green NO
-  Black NO
-  Yellow NO
-  White NO
-  Blue NO

L21CB01-1E01

L22CB01-1E01

L21CB02-1E10

L22CB02-1E10

L21CB03-1E10

L22CB03-1E10

L21CB04-1E10

L22CB04-1E10

L21CB05-1E10

L22CB05-1E10

L21CB06-1E10

L22CB06-1E10

-  Red NO + NC
-  Green NO + NC
-  Black NO + NC
-  Yellow NO + NC
-  White NO + NC
-  Blue NO + NC

L21CB01-3E11

L22CB01-3E11

L21CB02-3E11

L22CB02-3E11

L21CB03-3E11

L22CB03-3E11

L21CB04-3E11

L22CB04-3E11

L21CB05-3E11

L22CB05-3E11

L21CB06-3E11

L22CB06-3E11

Complete units: Mushroom heads ø 22mm

► MAINTAINED - NON-ILLUMINATED



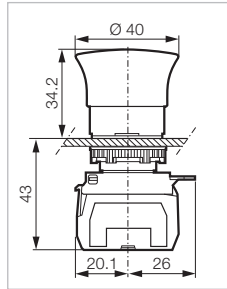
ø 40 MUSHROOM

Push-pull to reset

Black Bezel
Part Number



L22DD01-3E01



- Red NC
- Red 2 NC
- Red NO + NC

WITH TEXT

- Red (STOP STOP STOP) NC
- Green NO
- Black NC
- Black NO
- Yellow NO

L22DD01-3E01
L22DD01-3E02
L22DD01-3E11

L22DD01S-3E01

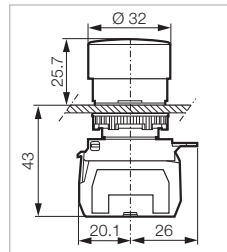
L22DD02-3E10
L22DD03-3E01
L22DD03-3E10
L22DD04-3E10

ø 32 MUSHROOM

Push-turn to reset



L22EC01-3E01



- Red NC
- Red 2 NC
- Red NO + NC

- Green NO
- Black NC
- Black NO
- Yellow NO

L22EC01-3E01
L22EC01-3E02
L22EC01-3E11

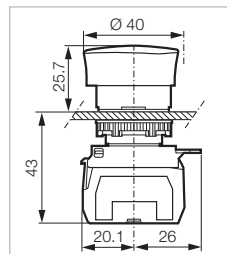
L22EC02-3E10
L22EC03-3E01
L22EC03-3E10
L22EC04-3E10

ø 40 MUSHROOM

Push-turn to reset



L22ED01-3E11



- Red NC
- Red 2 NC
- Red NO + NC

WITH TEXT

- Red (STOP STOP STOP) NC
- Green NO
- Black NC
- Black NO
- Yellow NO

L22ED01-3E01
L22ED01-3E02
L22ED01-3E11

L22ED01S-3E01

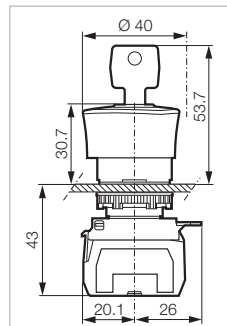
L22ED02-3E10
L22ED03-3E01
L22ED03-3E10
L22ED04-3E10

ø 40 MUSHROOM

Key to reset



L22GM01-3E01



Supplied with 2 keys profile n°455

- Red NC
- Red 2 NC
- Red NO + NC

L22GM01-3E01
L22GM01-3E02
L22GM01-3E11

Complete units: Mushroom heads ø 22mm

► EMERGENCY STOP MAINTAINED - NON-ILLUMINATED



Technical Info (p.106)

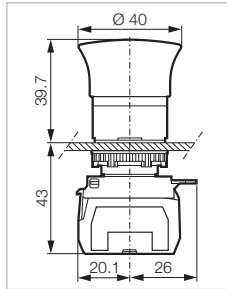
ø 40 ISO13850

Push-pull to reset

Black Bezel
Part Number



L22DR01-3E11



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
ISO 13850

- Red NC
- Red 2 NC
- Red NO + NC

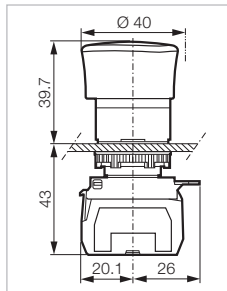
L22DR01-3E01
L22DR01-3E02
L22DR01-3E11

ø 40 ISO13850

Push-turn to reset



L22ER01-3E11



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
ISO 13850

- Red NC
- Red 2 NC
- Red NO + NC

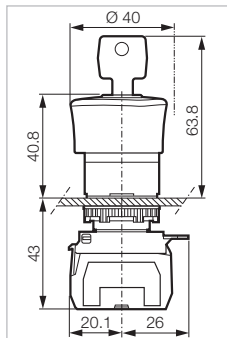
L22ER01-3E01
L22ER01-3E02
L22ER01-3E11

ø 40 ISO13850

Key to reset



L22GR01-3E11



Double position indicator: head and collar
Compliant with the requirements of emergency stop:
ISO 13850
Supplied with 2 keys profile n°455

- Red NC
- Red 2 NC
- Red NO + NC

L22GR01-3E01
L22GR01-3E02
L22GR01-3E11

Complete units: Selector switches $\varnothing$ 22mm

► SELECTOR SWITCHES - NON-ILLUMINATED



WITH HANDLE

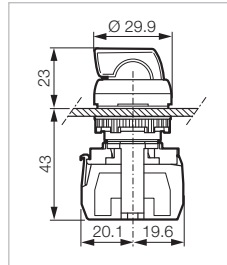
2 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21KE03-1E10



MAINTAINED POSITIONS - 45°

● Red	NC	
● Green	NO	
● Black	NO	
● Black	2 NO	
● Black	NO + NC	
● Grey	NO	



L21KA01-1E01
L21KA02-1E10
L21KA03-1E10
L21KA03-3E20
L21KA03-3E11
L21KA08-1E10

L22KA01-1E01
L22KA02-1E10
L22KA03-1E10
L22KA03-3E20
L22KA03-3E11
L22KA08-1E10

SPRING RETURN - 45°

● Red	NC	
● Green	NO	
● Black	NO	
● Black	2 NO	
● Black	NO + NC	
● Grey	NO	



L21KB01-1E01
L21KB02-1E10
L21KB03-1E10
L21KB03-3E20
L21KB03-3E11
L21KB08-1E10

L22KB01-1E01
L22KB02-1E10
L22KB03-1E10
L22KB03-3E20
L22KB03-3E11
L22KB08-1E10

MAINTAINED POSITIONS - 90°

● Red	NC	
● Green	NO	
● Black	NO	
● Black	2 NO	
● Black	NO + NC	
● Grey	NO	



L21KE01-1E01
L21KE02-1E10
L21KE03-1E10
L21KE03-3E20
L21KE03-3E11
L21KE08-1E10

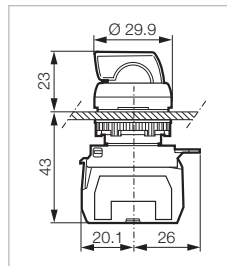
L22KE01-1E01
L22KE02-1E10
L22KE03-1E10
L22KE03-3E20
L22KE03-3E11
L22KE08-1E10

WITH HANDLE

3 positions



L21MA03-3E20



MAINTAINED POSITIONS - 45°

● Red	2 NO	
● Green	2 NO	
● Black	2 NO	
● Grey	2 NO	



L21MA01-3E20
L21MA02-3E20
L21MA03-3E20
L21MA08-3E20

L22MA01-3E20
L22MA02-3E20
L22MA03-3E20
L22MA08-3E20

SPRING RETURN - 45°

● Red	2 NO	
● Green	2 NO	
● Black	2 NO	
● Grey	2 NO	



L21MD01-3E20
L21MD02-3E20
L21MD03-3E20
L21MD08-3E20

L22MD01-3E20
L22MD02-3E20
L22MD03-3E20
L22MD08-3E20

MAINTAINED / SPRING RETURN - 45°

● Red	2 NO	
● Green	2 NO	
● Black	2 NO	
● Grey	2 NO	



L21MC01-3E20
L21MC02-3E20
L21MC03-3E20
L21MC08-3E20

L22MC01-3E20
L22MC02-3E20
L22MC03-3E20
L22MC08-3E20

Complete units: Selector switches ø 22mm

▶ SELECTOR SWITCHES - NON-ILLUMINATED

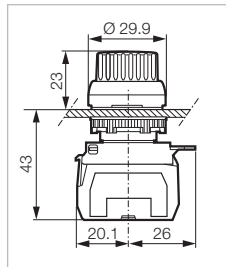


Technical Info (p. 106)

WITH KNOB



L21UA03-3E20



2 and 3 positions

MAINTAINED POSITIONS - 45°

- Black
- Black
- Black



NO
2 NO
NO + NC

Chrome Bezel
Part Number

L21TA03-1E10
L21TA03-3E20
L21TA03-3E11

Black Bezel
Part Number

L22TA03-1E10
L22TA03-3E20
L22TA03-3E11

MAINTAINED POSITIONS - 45°

- Black



2 NO

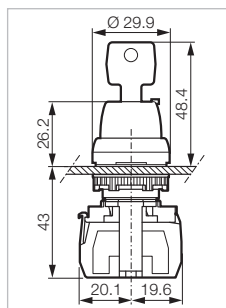
L21UA03-3E20

L22UA03-3E20

WITH KEY



L21LA00-1E10



2 positions

Supplied with 2 keys profile n°455

MAINTAINED POSITIONS - 45°

Key free in position o

- Black
- Black
- Black



NO
2 NO
NO + NC

L21LA00-1E10
L21LA00-3E20
L21LA00-3E11

L22LA00-1E10
L22LA00-3E20
L22LA00-3E11

SPRING RETURN - 45°

Key free in position o

- Black
- Black
- Black



NO
2 NO
NO + NC

L21LB00-1E10
L21LB00-3E20
L21LB00-3E11

L22LB00-1E10
L22LB00-3E20
L22LB00-3E11

MAINTAINED - 90°

Key free in both positions

- Black
- Black
- Black



NO
2 NO
NO + NC

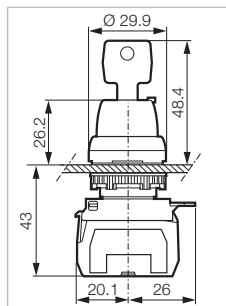
L21LG00-1E10
L21LG00-3E20
L21LG00-3E11

L22LG00-1E10
L22LG00-3E20
L22LG00-3E11

WITH KEY



L21NA00-3E20



3 positions

Supplied with 2 keys profile n°455

MAINTAINED POSITIONS - 45°

Key free in position o

- Black



2 NO

L21NA00-3E20

L22NA00-3E20

SPRING RETURN - 45°

Key free in position o

- Black



2 NO

L21ND00-3E20

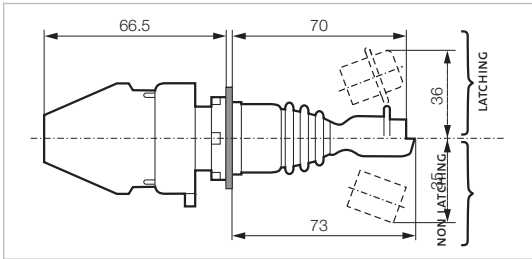
L22ND00-3E20

Complete units: Joysticks ø 22mm

► JOYSTICK SWITCHES - NON ILLUMINATED

 Technical Info (p. 106)

HEAD, CLIP AND MODULE(S)



All contacts are open in the center position (0).
Complete units shown feature one or two independent contact closed in each position A,B,C, and D.



LM2F-3M2

HEAD DOES NOT LOCK IN CENTER POSITION 0

2 POSITIONS WITH OFF

maintained	A ↓ 0 ↑ B	1	2	LM2F-3M2
		2	4	LM2F-3M4
spring return	A ↓ 0 ↑ B	1	2	LM2A-3M2
		2	4	LM2A-3M4

4 POSITIONS WITH OFF

maintained	A ↓ 0 ↑ B C ← 0 → D	1	4	LM4F-3M4
		2	8	LM4F-5M8
spring-return	A ↓ 0 ↑ B C ← 0 → D	1	4	LM4A-3M4
		2	8	LM4A-5M8



LMV4F-5M8

HEAD LOCKS IN CENTER POSITION 0

2 POSITIONS WITH OFF

maintained	A ↓ 0 ↑ B	1	2	LMV2F-3M2
		2	4	LMV2F-3M4
spring return	A ↓ 0 ↑ B	1	2	LMV2A-3M2
		2	4	LMV2A-3M4

4 POSITIONS WITH OFF

maintained	A ↓ 0 ↑ B C ← 0 → D	1	4	LMV4F-3M4
		2	8	LMV4F-5M8
spring return	A ↓ 0 ↑ B C ← 0 → D	1	4	LMV4A-3M4
		2	8	LMV4A-5M8

Part number of illuminated operator head.
See pages 48 to 56 for illuminated operator heads.

L21AH20 - **3** **EA** **G** **M** **1** **1** **Y7**

CLIP	
Code	Description
1	single module
3	three modules
4	three modules (when using 33E11 contact blocks)
5	five modules

TERMINAL STYLE	
Code	Description
EA	Screw and Clamp
EDA	Stab (Quick Connect)
EPA	PCB
ERA	Plug In

LED COLOR	
Code	Description
R	Red
G	Green
Y	Yellow
W	White
B	Blue

LED VOLTAGE	
Code	Description
L	12/24 Vac/dc
L4	48 Vac/dc
M	130 Vac
H	230 Vac

e N.O. (NORMALLY OPEN) CONTACTS	
Code	Description
0	No Contact
1	1 N.O.
2	2 N.O.
3	3 N.O.
4	4 N.O.

f

N.C. (NORMALLY CLOSED) CONTACTS	
Code	Description
0	No Contact
1	1 N.C.
2	2 N.C.
3	3 N.C.
4	4 N.C.

SPECIALTY BLOCKS	
Code	Description
C	Late Break N.C. (Screw and Clamp terminals only)
Y7	Gold Plated Contacts (Screw and Clamp or PCB terminals only)

Complete units: Pushbuttons Ø 22mm

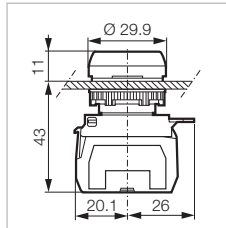
► SPRING RETURN - ILLUMINATED



FLUSH



L21AH20-3EAGL11



LED blocks

12/24 Vac/dc

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

Chrome Bezel
Part Number

Black Bezel
Part Number

L21AH10-3EARL11
L21AH20-3EAGL11
L21AH40-3EAYL11
L21AH50-3EAWL11
L21AH60-3EABL11

L22AH10-3EARL11
L22AH20-3EAGL11
L22AH40-3EAYL11
L22AH50-3EAWL11
L22AH60-3EABL11

130 Vac

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

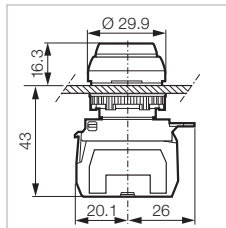
L21AH10-3EARM11
L21AH20-3EAGM11
L21AH40-3EAYM11
L21AH50-3EAWM11
L21AH60-3EABM11

L22AH10-3EARM11
L22AH20-3EAGM11
L22AH40-3EAYM11
L22AH50-3EAWM11
L22AH60-3EABM11

PROJECTING



L21AK40-3EAYM11



LED blocks

12/24 Vac/dc

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

L21AK10-3EARL11
L21AK20-3EAGL11
L21AK40-3EAYL11
L21AK50-3EAWL11
L21AK60-3EABL11

L22AK10-3EARL11
L22AK20-3EAGL11
L22AK40-3EAYL11
L22AK50-3EAWL11
L22AK60-3EABL11

130 Vac

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

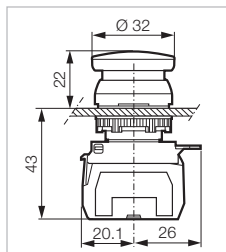
L21AK10-3EARM11
L21AK20-3EAGM11
L21AK40-3EAYM11
L21AK50-3EAWM11
L21AK60-3EABM11

L22AK10-3EARM11
L22AK20-3EAGM11
L22AK40-3EAYM11
L22AK50-3EAWM11
L22AK60-3EABM11

Ø 32 MUSHROOM



L21AL10-3EARL11



LED blocks

12/24 Vac/dc

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

L21AL10-3EARL11
L21AL20-3EAGL11
L21AL40-3EAYL11
L21AL50-3EAWL11
L21AL60-3EABL11

L22AL10-3EARL11
L22AL20-3EAGL11
L22AL40-3EAYL11
L22AL50-3EAWL11
L22AL60-3EABL11

130 Vac

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

L21AL10-3EARM11
L21AL20-3EAGM11
L21AL40-3EAYM11
L21AL50-3EAWM11
L21AL60-3EABM11

L22AL10-3EARM11
L22AL20-3EAGM11
L22AL40-3EAYM11
L22AL50-3EAWM11
L22AL60-3EABM11

Complete units: Pushbuttons ø 22mm

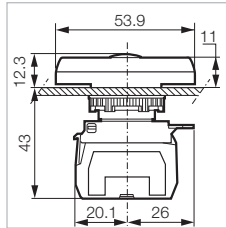
► SPRING RETURN - ILLUMINATED

 Technical Info (p. 106)

TWIN TOUCH - FLUSH-FLUSH



L61QH21-3EAWM11



Center part illuminated - White LED Block (other colors available)

12/24 VAC/DC - WITH INTERNATIONAL SYMBOLS

	Green	NO		
	Red	NC	L61QH21-3EAWL11	L62QH21-3EAWL11

12/24 VAC/DC - WITH TEXT

	Green (START)	NO		
	Red (STOP)	NC	L61QH21A-3EAWL11	L62QH21A-3EAWL11

130 VAC - WITH INTERNATIONAL SYMBOLS

	Green	NO		
	Red	NC	L61QH21-3EAWM11	L62QH21-3EAWM11

130 VAC - WITH TEXT

	Green (START)	NO		
	Red (STOP)	NC	L61QH21A-3EAWM11	L62QH21A-3EAWM11

230 VAC - WITH INTERNATIONAL SYMBOLS

	Green	NO		
	Red	NC	L61QH21-3EAWH11	L62QH21-3EAWH11

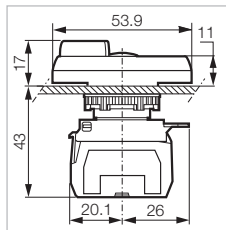
230 VAC - WITH TEXT

	Green (START)	NO		
	Red (STOP)	NC	L61QH21A-3EAWH11	L62QH21A-3EAWH11

TWIN TOUCH - FLUSH-PROJECTING



L61QK21A-3EAWL11



Center part illuminated - White LED Block (other colors available)

12/24 VAC/DC - WITH INTERNATIONAL SYMBOLS

	Green	NO		
	Red	NC	L61QK21-3EAWL11	L62QK21-3EAWL11

12/24 VAC/DC - WITH TEXT

	Green (START)	NO		
	Red (STOP)	NC	L61QK21A-3EAWL11	L62QK21A-3EAWL11

130 VAC - WITH INTERNATIONAL SYMBOLS

	Green	NO		
	Red	NC	L61QK21-3EAWM11	L62QK21-3EAWM11

130 VAC - WITH TEXT

	Green (START)	NO		
	Red (STOP)	NC	L61QK21A-3EAWM11	L62QK21A-3EAWM11

230 VAC - WITH INTERNATIONAL SYMBOLS

	Green	NO		
	Red	NC	L61QK21-3EAWH11	L62QK21-3EAWH11

230 VAC - WITH TEXT

	Green (START)	NO		
	Red (STOP)	NC	L61QK21A-3EAWH11	L62QK21A-3EAWH11

Complete units: Pushbuttons ø 22mm

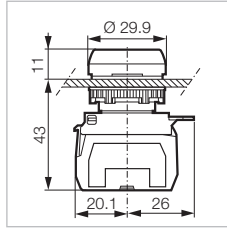
► MAINTAINED - ILLUMINATED



FLUSH



L21CH20-3EAGL1



LED blocks

12/24 Vac/dc

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

Chrome Bezel
Part Number

Black Bezel
Part Number

L21CH10-3EARL11
L21CH20-3EAGL11
L21CH40-3EAYL11
L21CH50-3EAWL11
L21CH60-3EABL11

L22CH10-3EARL11
L22CH20-3EAGL11
L22CH40-3EAYL11
L22CH50-3EAWL11
L22CH60-3EABL11

130 Vac

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

L21CH10-3EARM11
L21CH20-3EAGM11
L21CH40-3EAYM11
L21CH50-3EAWM11
L21CH60-3EABM11

L22CH10-3EARM11
L22CH20-3EAGM11
L22CH40-3EAYM11
L22CH50-3EAWM11
L22CH60-3EABM11

230 Vac

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

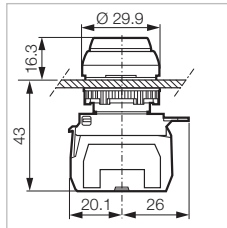
L21CH10-3EARH11
L21CH20-3EAGH11
L21CH40-3EAYH11
L21CH50-3EAWH11
L21CH60-3EABH11

L22CH10-3EARH11
L22CH20-3EAGH11
L22CH40-3EAYH11
L22CH50-3EAWH11
L22CH60-3EABH11

PROJECTING



L21CK40-3EAYL11



LED blocks

12/24 Vac/dc

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

L21CK10-3EARL11
L21CK20-3EAGL11
L21CK40-3EAYL11
L21CK50-3EAWL11
L21CK60-3EABL11

L22CK10-3EARL11
L22CK20-3EAGL11
L22CK40-3EAYL11
L22CK50-3EAWL11
L22CK60-3EABL11

130 Vac

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

L21CK10-3EARM11
L21CK20-3EAGM11
L21CK40-3EAYM11
L21CK50-3EAWM11
L21CK60-3EABM11

L22CK10-3EARM11
L22CK20-3EAGM11
L22CK40-3EAYM11
L22CK50-3EAWM11
L22CK60-3EABM11

230 Vac

● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

L21CK10-3EARH11
L21CK20-3EAGH11
L21CK40-3EAYH11
L21CK50-3EAWH11
L21CK60-3EABH11

L22CK10-3EARH11
L22CK20-3EAGH11
L22CK40-3EAYH11
L22CK50-3EAWH11
L22CK60-3EABH11

Complete units: Pushbuttons Ø 22mm

► MAINTAINED - ILLUMINATED



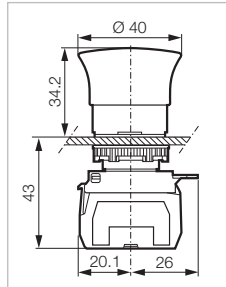
Ø 40 MUSHROOM

Push-pull to reset

Black Bezel
Part Number



L22DM10-3EARM11



Red LED block

12/24 Vac/dc

- Red NC
- Red 2 NC
- Red NO + NC

L22DM10-3EARL01
L22DM10-3EARL02
L22DM10-3EARL11

130 Vac

- Red NC
- Red 2 NC
- Red NO + NC

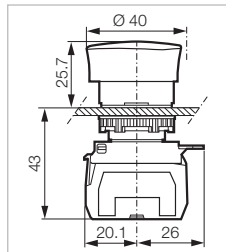
L22DM10-3EARM01
L22DM10-3EARM02
L22DM10-3EARM11

Ø 40 MUSHROOM

Push-turn to reset



L22EM10-3EARL02



Red LED block

12/24 Vac/dc

- Red NC
- Red 2 NC
- Red NO + NC

L22EM10-3EARL01
L22EM10-3EARL02
L22EM10-3EARL11

130 Vac

- Red NC
- Red 2 NC
- Red NO + NC

L22EM10-3EARM01
L22EM10-3EARM02
L22EM10-3EARM11

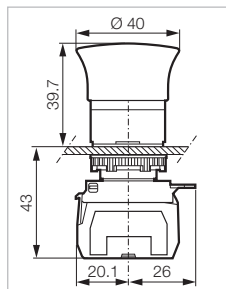
► EMERGENCY STOP MAINTAINED - ILLUMINATED

Ø 40 ISO 13850

Push-pull to reset



L22DN10-3EARM02



Head position visible from the side with yellow collar Compliant with the requirements of emergency stop: Ø ISO 13850

Red LED block

12/24 Vac/dc

- Red NC
- Red 2 NC
- Red NO + NC

L22DN10-3EARL01
L22DN10-3EARL02
L22DN10-3EARL11

130 Vac

- Red NC
- Red 2 NC
- Red NO + NC

L22DN10-3EARM01
L22DN10-3EARM02
L22DN10-3EARM11

Complete units: Selector switches ø 22mm

► SELECTOR SWITCHES - ILLUMINATED

 Technical Info (p.106)

WITH HANDLE

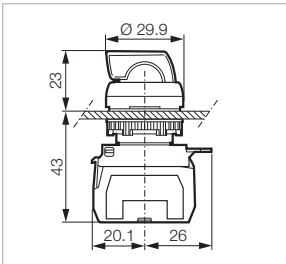
2 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21KG10-3EARL11



LED COLOR / HANDLE COLOR

MAINTAINED POSITIONS - 45°

12/24 Vac/Dc

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black



NO + NC
NO + NC
NO + NC
NO + NC
NO + NC

L21KG10-3EARL11
L21KG20-3EAGL11
L21KG30-3EAWL11
L21KG30-3EAYL11
L21KG30-3EABL11

L22KG10-3EARL11
L22KG20-3EAGL11
L22KG30-3EAWL11
L22KG30-3EAYL11
L22KG30-3EABL11

130 Vac

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black

NO + NC
NO + NC
NO + NC
NO + NC
NO + NC

L21KG10-3EARM11
L21KG20-3EAGM11
L21KG30-3EAWM11
L21KG30-3EAYM11
L21KG30-3EABM11

L22KG10-3EARM11
L22KG20-3EAGM11
L22KG30-3EAWM11
L22KG30-3EAYM11
L22KG30-3EABM11

SPRING RETURN - 45°

12/24 Vac/Dc

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black



NO + NC
NO + NC
NO + NC
NO + NC
NO + NC

L21KH10-3EARL11
L21KH20-3EAGL11
L21KH30-3EAWL11
L21KH30-3EAYL11
L21KH30-3EABL11

L22KH10-3EARL11
L22KH20-3EAGL11
L22KH30-3EAWL11
L22KH30-3EAYL11
L22KH30-3EABL11

130 Vac

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black

NO + NC
NO + NC
NO + NC
NO + NC
NO + NC

L21KH10-3EARM11
L21KH20-3EAGM11
L21KH30-3EAWM11
L21KH30-3EAYM11
L21KH30-3EABM11

L22KH10-3EARM11
L22KH20-3EAGM11
L22KH30-3EAWM11
L22KH30-3EAYM11
L22KH30-3EABM11

MAINTAINED POSITIONS - 90°

12/24 Vac/Dc

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black



NO + NC
NO + NC
NO + NC
NO + NC
NO + NC

L21KL10-3EARL11
L21KL20-3EAGL11
L21KL30-3EAWL11
L21KL30-3EAYL11
L21KL30-3EABL11

L22KL10-3EARL11
L22KL20-3EAGL11
L22KL30-3EAWL11
L22KL30-3EAYL11
L22KL30-3EABL11

130 Vac

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black

NO + NC
NO + NC
NO + NC
NO + NC
NO + NC

L21KL10-3EARM11
L21KL20-3EAGM11
L21KL30-3EAWM11
L21KL30-3EAYM11
L21KL30-3EABM11

L22KL10-3EARM11
L22KL20-3EAGM11
L22KL30-3EAWM11
L22KL30-3EAYM11
L22KL30-3EABM11

Complete units: Selector switches $\varnothing$ 22mm

► SELECTOR SWITCHES - ILLUMINATED



Technical Info (p.106)

WITH HANDLE

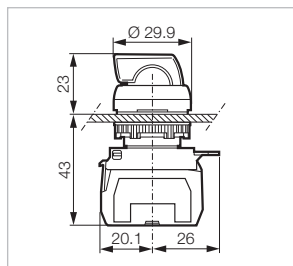
3 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21ME20-3EAGL20



LED COLOR / HANDLE COLOR

MAINTAINED POSITIONS - 45°

12/24 Vac/Dc

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black



2 NO
2 NO
2 NO
2 NO
2 NO

L21ME10-3EARL20
L21ME20-3EAGL20
L21ME30-3EAWL20
L21ME30-3EAYL20
L21ME30-3EABL20

L22ME10-3EARL20
L22ME20-3EAGL20
L22ME30-3EAWL20
L22ME30-3EAYL20
L22ME30-3EABL20

130 Vac/Dc

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black

2 NO
2 NO
2 NO
2 NO
2 NO

L21ME10-3EARM20
L21ME20-3EAGM20
L21ME30-3EAWM20
L21ME30-3EAYM20
L21ME30-3EABM20

L22ME10-3EARM20
L22ME20-3EAGM20
L22ME30-3EAWM20
L22ME30-3EAYM20
L22ME30-3EABM20

SPRING RETURN - 45°

12/24 Vac/Dc

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black



2 NO
2 NO
2 NO
2 NO
2 NO

L21MH10-3EARL20
L21MH20-3EAGL20
L21MH30-3EAWL20
L21MH30-3EAYL20
L21MH30-3EABL20

L22MH10-3EARL20
L22MH20-3EAGL20
L22MH30-3EAWL20
L22MH30-3EAYL20
L22MH30-3EABL20

130 Vac

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black

2 NO
2 NO
2 NO
2 NO
2 NO

L21MH10-3EARM20
L21MH20-3EAGM20
L21MH30-3EAWM20
L21MH30-3EAYM20
L21MH30-3EABM20

L22MH10-3EARM20
L22MH20-3EAGM20
L22MH30-3EAWM20
L22MH30-3EAYM20
L22MH30-3EABM20

MAINTAINED / SPRING RETURN - 45°

12/24 Vac/Dc

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black



NO + NC
NO + NC
NO + NC
NO + NC
NO + NC

L21MG10-3EARL11
L21MG20-3EAGL11
L21MG30-3EAWL11
L21MG30-3EAYL11
L21MG30-3EABL11

L22MG10-3EARL11
L22MG20-3EAGL11
L22MG30-3EAWL11
L22MG30-3EAYL11
L22MG30-3EABL11

130 Vac

- Red / Red
- Green / Green
- White / Black
- Yellow / Black
- Blue / Black

NO + NC
NO + NC
NO + NC
NO + NC
NO + NC

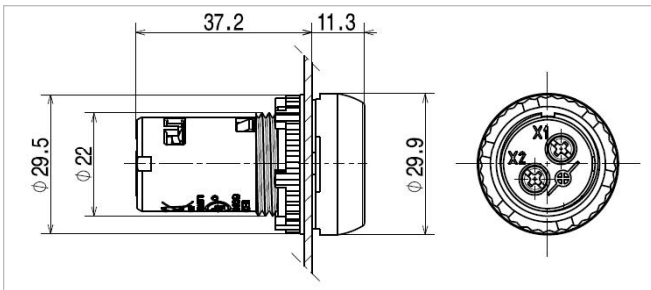
L21MG10-3EARM11
L21MG20-3EAGM11
L21MG30-3EAWM11
L21MG30-3EAYM11
L21MG30-3EABM11

L22MG10-3EARM11
L22MG20-3EAGM11
L22MG30-3EAWM11
L22MG30-3EAYM11
L22MG30-3EABM11

Complete units: Pilot lights ø 22mm

► PILOT LIGHTS

ONE-PIECE WITH INTEGRATED LED



24 Vac/Dc

- Red
- Green
- Yellow
- White
- Blue

Part Number	With Text or Symbol Part Number **
L20SC10L	L20SC31L
L20SC20L	L20SC32L
L20SC40L	L20SC34L
L20SC50L	L20SC35L
L20SC60L	L20SC36L

130 Vac/Dc

- Red
- Green
- Yellow
- White
- Blue

L20SC10M	L20SC31M
L20SC20M	L20SC32M
L20SC40M	L20SC34M
L20SC50M	L20SC35M
L20SC60M	L20SC36M

230 Vac/Dc*

- Red
- Green
- Yellow
- White
- Blue

L20SC10H	L20SC31H
L20SC20H	L20SC32H
L20SC40H	L20SC34H
L20SC50H	L20SC35H
L20SC60H	L20SC36H

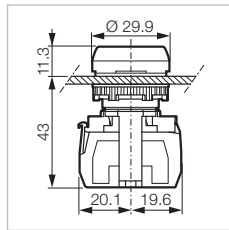
* 230V DC rating is Self-Declared.

** Code to be added to end of part number.
See p. 82 to 85 for standard text and symbol options.
For custom text or symbol please contact us.

HEAD, CLIP AND LED MODULE



L20SE20-1EAGM



12/24 Vac/Dc

- Red
- Green
- Yellow
- White
- Blue

1 POSITION CLIP Part Number	3 POSITION CLIP Part Number
L20SE10-1EARL	L20SE10-3EARL
L20SE20-1EAGL	L20SE20-3EAGL
L20SE40-1EAYL	L20SE40-3EAYL
L20SE50-1EAWL	L20SE50-3EAWL
L20SE60-1EABL	L20SE60-3EABL

130Vac

- Red
- Green
- Yellow
- White
- Blue

L20SE10-1EARM	L20SE10-3EARM
L20SE20-1EAGM	L20SE20-3EAGM
L20SE40-1EAYM	L20SE40-3EAYM
L20SE50-1EAWM	L20SE50-3EAWM
L20SE60-1EABM	L20SE60-3EABM

230Vac

- Red
- Green
- Yellow
- White
- Blue

L20SE10-1EARH	L20SE10-3EARH
L20SE20-1EAGH	L20SE20-3EAGH
L20SE40-1EAYH	L20SE40-3EAYH
L20SE50-1EAWH	L20SE50-3EAWH
L20SE60-1EABH	L20SE60-3EABH

Operator Heads: Ø 22mm

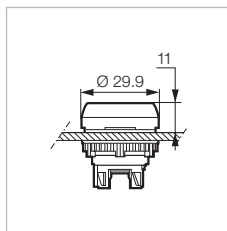
► SPRING RETURN - NON-ILLUMINATED


[Technical Info \(p.106\)](#)

FLUSH



L21AA02



- Red
- Green
- Black
- Yellow
- White
- Blue

Chrome Bezel
Part Number

Black Bezel
Part Number

L21AA01
L21AA02
L21AA03
L21AA04
L21AA05
L21AA06

L22AA01
L22AA02
L22AA03
L22AA04
L22AA05
L22AA06

WITH INTERNATIONAL SYMBOL

- Red
- Green
- Black

L21AA81
L21AA82
L21AA83

L22AA81
L22AA82
L22AA83

WITH TEXT OR SYMBOL (see p. 80 to 83)

Code to be added at the end of the part number.
For custom text or symbol please contact us.

- Red
- Green
- Black
- Yellow
- White
- Blue

L21AA31|_|_|
L21AA32|_|_|
L21AA33|_|_|
L21AA34|_|_|
L21AA35|_|_|
L21AA36|_|_|

L22AA31|_|_|
L22AA32|_|_|
L22AA33|_|_|
L22AA34|_|_|
L22AA35|_|_|
L22AA36|_|_|



L22AA34328



L21AA00

WITHOUT CAP

L21AA00

L22AA00

Pushbutton caps (see p. 86)

Operator Heads: Ø 22MM

► SPRING RETURN - NON-ILLUMINATED



Technical Info (p.106)

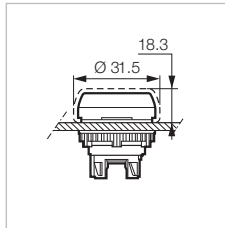
FLUSH WITH SHROUD

Reinforced degree of protection: IP 67

Black Bezel
Part Number



L22AM01A



Supplied with flat shroud

TRANSPARENT SHROUD

- Red
- Green
- Black
- Yellow
- White
- Blue

Components
Operator + Shroud

L22AA01 + LWA0255
L22AA02 + LWA0255
L22AA03 + LWA0255
L22AA04 + LWA0255
L22AA05 + LWA0255
L22AA06 + LWA0255

L22AM01A
L22AM02A
L22AM03A
L22AM04A
L22AM05A
L22AM06A

WITH TEXT OR SYMBOL (see p. 82 to 85)

Code to be added at the end of the part number.

For custom text or symbol please contact us.

- Red
- Green
- Black
- Yellow
- White
- Blue

L22AA31[] [] + LWA0255
L22AA32[] [] + LWA0255
L22AA33[] [] + LWA0255
L22AA34[] [] + LWA0255
L22AA35[] [] + LWA0255
L22AA36[] [] + LWA0255

L22AM31[] []
L22AM32[] []
L22AM33[] []
L22AM34[] []
L22AM35[] []
L22AM36[] []

COLORED SHROUD

- Red
- Green
- Black

L22AA01 + LWA0251
L22AA02 + LWA0252
L22AA03 + LWA0253

L22AM01
L22AM02
L22AM03

Operator Heads: Ø 22mm

► SPRING RETURN - NON-ILLUMINATED



Technical Info (p. 106)

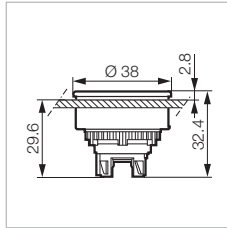
SUPER FLUSH

Chrome Bezel
Part Number

Black Bezel
Part Number



L23AA02



Metal chrome bezel
Panel cut-out Ø 30mm

● Red	L23AA01
● Green	L23AA02
● Black	L23AA03
● Yellow	L23AA04
○ White	L23AA05
● Blue	L23AA06

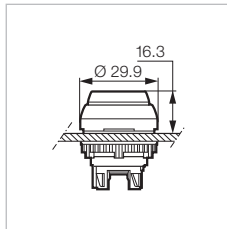
WITH INTERNATIONAL SYMBOL

● Red	L23AA81
● Green	L23AA82

PROJECTING



L21AB01



● Red	L21AB01	L22AB01
● Green	L21AB02	L22AB02
● Black	L21AB03	L22AB03
● Yellow	L21AB04	L22AB04
○ White	L21AB05	L22AB05
● Blue	L21AB06	L22AB06

WITH INTERNATIONAL SYMBOL

● Red	L21AB01B	L22AB01B
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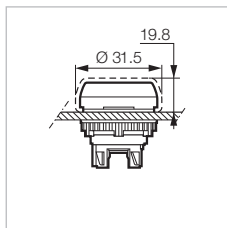
PROJECTING WITH SHROUD

Reinforced degree of protection: IP 67

Black Bezel
Part Number



L22AX04



Supplied with domed shroud

TRANSPARENT SHROUD

Components
Operator + Shroud

● Red	L22AB01 + LWA0228	L22AX01
● Green	L22AB02 + LWA0228	L22AX02
● Black	L22AB03 + LWA0228	L22AX03
● Yellow	L22AB04 + LWA0228	L22AX04
○ White	L22AB05 + LWA0228	L22AX05
● Blue	L22AB06 + LWA0228	L22AX06

COLORED SHROUD

● Red	L22AB01 + LWA0203	L22AW01
● Green	L22AB02 + LWA0204	L22AW02
● Black	L22AB03 + LWA0205	L22AW03

Operator Heads: Ø 22mm

► SPRING RETURN - NON-ILLUMINATED

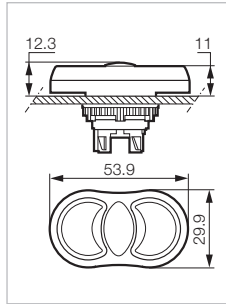


Technical Info (p.106)

FLUSH-FLUSH



L61QA21



Twin touch - degree of protection: IP66

Chrome Bezel
Part Number

Black Bezel
Part Number

WITH INTERNATIONAL SYMBOLS

- 🟢 Green
- 🔴 Red

L61QA21

L62QA21

- ⓘ White
- Ⓚ Black

L61QA53

L62QA53

WITH TEXT

- 🟢 Green (START)
- 🔴 Red (STOP)

L61QA21B

L62QA21B

WITH SYMBOLS OR ARROWS

- 🟢 Green <||> (symbol for OPEN)
- 🟢 Green >|< (symbol for CLOSE)

L61QA22

L62QA22

- ⬆ Green
- ⬇ Green

L61QA22K

L62QA22K

- ⬆ Black
- ⬇ Black

L61QA33C

L62QA33C

BLANK

- 🟢 Green
- 🔴 Red

L61QA21V

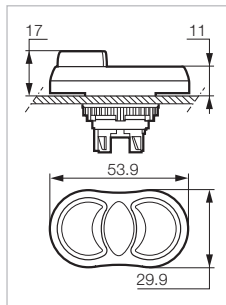
L62QA21V

FLUSH-PROJECTING

Twin touch - degree of protection: IP66



L61QB21



WITH INTERNATIONAL SYMBOLS

- 🟢 Green
- 🔴 Red

L61QB21

L62QB21

WITH TEXT

- 🟢 Green (START)
- 🔴 Red (STOP)

L61QB21B

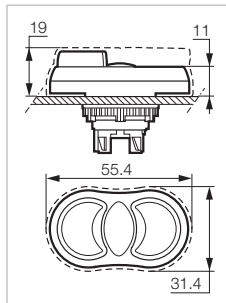
L62QB21B

FLUSH-PROJECTING WITH SHROUD

Twin touch - reinforced degree of protection: IP67



L61QM21



Supplied with transparent shroud

WITH INTERNATIONAL SYMBOLS

- 🟢 Green
- 🔴 Red

L61QM21

L62QM21

WITH TEXT

- 🟢 Green (START)
- 🔴 Red (STOP)

L61QM21B

L62QM21B

Operator Heads: Ø 22mm

► SPRING RETURN - NON-ILLUMINATED

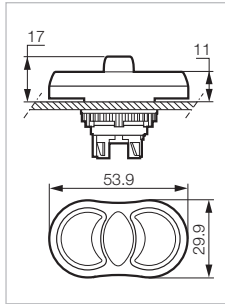


Technical Info (p.106)

FLUSH-PROJECTING-FLUSH



L61BA22



Twin touch - degree of protection: IP66

Chrome Bezel
Part Number

Black Bezel
Part Number

WITH ARROWS AND TEXT

- Green (UP)
- Red (STOP)
- Green (DOWN)

L61BA22

L62BA22

- Green (UP)
- Red (STOP)
- Green (DOWN)

L61BA22B

L62BA22B

WITH TEXT

- Green (UP)
- Red (STOP)
- Green (DOWN)

L61BA22G

L62BA22G

- Green (OPEN)
- Red (STOP)
- Green (CLOSE)

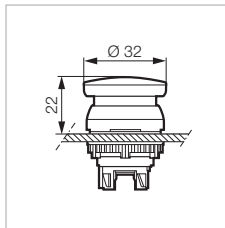
L61BA22F

L62BA22F

Ø 32 MUSHROOM



L21AC03



- Red
- Green
- Black
- Yellow

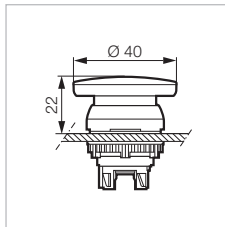
L21AC01
L21AC02
L21AC03
L21AC04

L22AC01
L22AC02
L22AC03
L22AC04

Ø 40 MUSHROOM



L21AD01



- Red
- Green
- Black
- Yellow
- Blue

L21AD01
L21AD02
L21AD03
L21AD04
L21AD06

L22AD01
L22AD02
L22AD03
L22AD04
L22AD06

WITH TEXT

- Red (STOP STOP STOP)

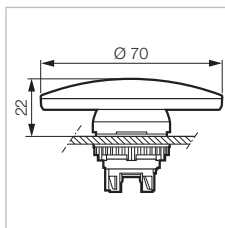
L21AD01S

L22AD01S

Ø 70 MUSHROOM



L21AE03



- Red
- Black

L21AE01
L21AE03

L22AE01
L22AE03

Operator Heads: Ø 22mm

► MAINTAINED - NON-ILLUMINATED

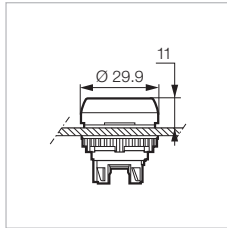


Technical Info (p. 106)

FLUSH



L21CA01



- Red
- Green
- Black
- Yellow
- White
- Blue

Chrome Bezel
Part Number

Black Bezel
Part Number

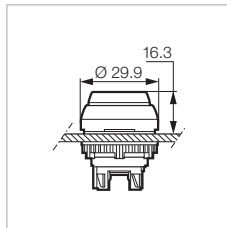
L21CA01
L21CA02
L21CA03
L21CA04
L21CA05
L21CA06

L22CA01
L22CA02
L22CA03
L22CA04
L22CA05
L22CA06

PROJECTING



L21CB02



- Red
- Green
- Black
- Yellow
- White
- Blue

L21CB01
L21CB02
L21CB03
L21CB04
L21CB05
L21CB06

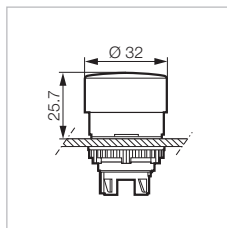
L22CB01
L22CB02
L22CB03
L22CB04
L22CB05
L22CB06

Ø 32 MUSHROOM

Push-turn to reset



L22EC01



- Red
- Green
- Black
- Yellow

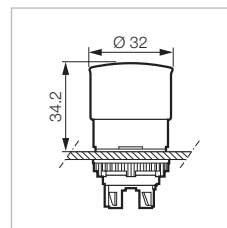
L22EC01
L22EC02
L22EC03
L22EC04

Ø 32 MUSHROOM

Push-pull to reset



L22DC01



- Red

L22DC01

Operator Heads: Ø 22mm

► MAINTAINED - NON-ILLUMINATED



Technical Info (p.106)

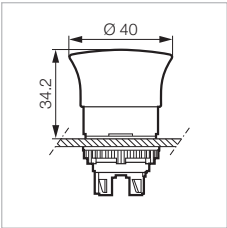
Ø 40 - MUSHROOM

Push-pull to reset

Black Bezel
Part Number



L22DD01



- Red
- Green
- Black
- Yellow

L22DD01
L22DD02
L22DD03
L22DD04

WITH TEXT

- Red (STOP STOP STOP)

L22DD01S

WITH INTERNATIONAL SYMBOL

- Red

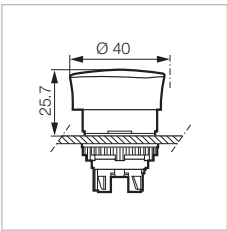
L22DD01C

Ø 40 MUSHROOM

Push-turn to reset



L22ED01



- Red
- Green
- Black
- Yellow

L22ED01
L22ED02
L22ED03
L22ED04

WITH TEXT

- Red (STOP STOP STOP)

L22ED01S

WITH WHITE ARROWS

- Red

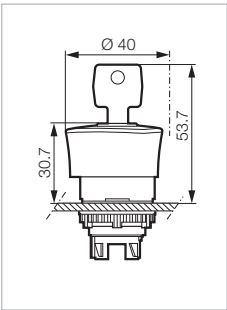
L22ED01G

Ø 40 - MUSHROOM

Key to reset



L22GM01



Supplied with 2 keys profile n° 455

- Red

L22GM01

Operator Heads: Ø 22mm

► EMERGENCY STOP MAINTAINED - NON-ILLUMINATED



Technical Info (p.106)

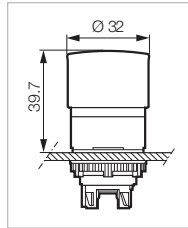
Ø 32 ISO 13850

Push-pull

Black Bezel
Part Number



L22DQ01



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
ISO 13850

● Red

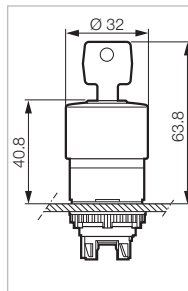
L22DQ01

Ø 32 ISO 13850

Key to reset



L22GQ01



Supplied with 2 keys profile n° 455
Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
ISO 13850

● Red

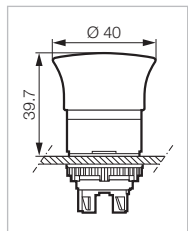
L22GQ01

Ø 40 ISO 13850

Push-pull to reset



L22DR01



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
ISO 13850

● Red

L22DR01

Operator Heads: Ø 22mm

► EMERGENCY STOP MAINTAINED - NON-ILLUMINATED



Technical Info (p. 106)

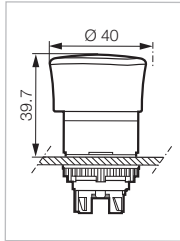
Ø 40 ISO 13850

Push-turn to reset

Black Bezel
Part Number



L22ER01



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
ISO 13850

● Red

L22ER01

WITH TEXT

● Red (EMO)

L22ER01F

WITH SYMBOL IEC 60947-5-5 / ISO 13850



L22ER01K



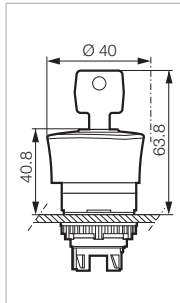
L22ER01K

Ø 40 ISO 13850

Key to reset



L22GR01



Supplied with 2 keys profile n° 455
Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
ISO 13850

● Red

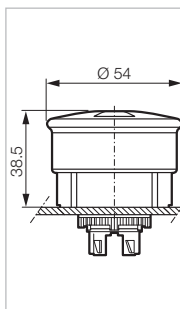
L22GR01

Ø 54 ISO 13850

Push-pull to reset with flag indicator



L22DU01



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
ISO 13850

● Red - (O- I)

L22DU01A

● Red - (STOP - I)

L22DU01

Operator Heads: Ø 22mm

► SELECTOR SWITCHES - NON-ILLUMINATED



Technical Info (p. 106)

WITH HANDLE

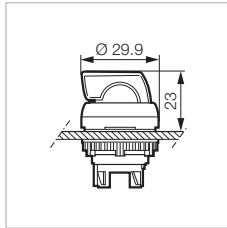
2 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21KA03



MAINTAINED POSITIONS - 45°

- Red
- Green
- Black
- Grey



L21KA01
L21KA02
L21KA03
L21KA08

L22KA01
L22KA02
L22KA03
L22KA08

SPRING RETURN - 45°

- Red
- Green
- Black
- Grey



L21KB01
L21KB02
L21KB03
L21KB08

L22KB01
L22KB02
L22KB03
L22KB08

MAINTAINED POSITIONS - 45°

- Red
- Green
- Black
- Grey



L21KC01
L21KC02
L21KC03
L21KC08

L22KC01
L22KC02
L22KC03
L22KC08

SPRING RETURN - 45°

- Red
- Green
- Black
- Grey



L21KD01
L21KD02
L21KD03
L21KD08

L22KD01
L22KD02
L22KD03
L22KD08

MAINTAINED POSITIONS - 90°

- Red
- Green
- Black
- Grey



L21KE01
L21KE02
L21KE03
L21KE08

L22KE01
L22KE02
L22KE03
L22KE08

MAINTAINED POSITIONS - 90°

- Red
- Green
- Black
- Grey



L21KF01
L21KF02
L21KF03
L21KF08

L22KF01
L22KF02
L22KF03
L22KF08

Operator Heads: Ø 22mm

► SELECTOR SWITCHES - NON-ILLUMINATED

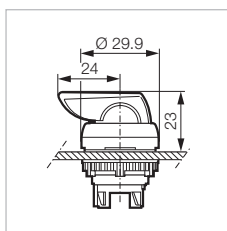


Technical Info (p. 106)

WITH LEVER HANDLE



L21KP03



2 positions

Chrome Bezel
Part Number

Black Bezel
Part Number

MAINTAINED POSITIONS - 45°

- Red
- Green
- Black
- Grey



L21KP01
L21KP02
L21KP03
L21KP08

L22KP01
L22KP02
L22KP03
L22KP08

SPRING RETURN - 45°

- Red
- Green
- Black



L21KQ01
L21KQ02
L21KQ03

L22KQ01
L22KQ02
L22KQ03

MAINTAINED POSITIONS - 45°

- Red
- Green
- Black



L21KR01
L21KR02
L21KR03

L22KR01
L22KR02
L22KR03

SPRING RETURN - 45°

- Red
- Green
- Black



L21KS01
L21KS02
L21KS03

L22KS01
L22KS02
L22KS03

MAINTAINED POSITIONS - 90°

- Red
- Green
- Black



L21KT01
L21KT02
L21KT03

L22KT01
L22KT02
L22KT03

MAINTAINED POSITIONS - 90°

- Red
- Green
- Black



L21KU01
L21KU02
L21KU03

L22KU01
L22KU02
L22KU03

Operator Heads: Ø 22mm

► SELECTOR SWITCHES - NON-ILLUMINATED



Technical Info (p. 106)

WITH HANDLE

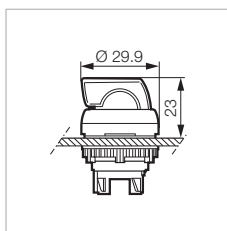
3 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21MA03



MAINTAINED POSITIONS - 45°

- Red
- Green
- Black
- Grey



L21MA01
L21MA02
L21MA03
L21MA08

L22MA01
L22MA02
L22MA03
L22MA08

SPRING RETURN FROM LEFT TO 0 - 45°

- Red
- Green
- Black
- Grey



L21MB01
L21MB02
L21MB03
L21MB08

L22MB01
L22MB02
L22MB03
L22MB08

SPRING RETURN FROM RIGHT TO 0 - 45°

- Red
- Green
- Black
- Grey



L21MC01
L21MC02
L21MC03
L21MC08

L22MC01
L22MC02
L22MC03
L22MC08

SPRING RETURN TO 0 - 45°

- Red
- Green
- Black
- Grey



L21MD01
L21MD02
L21MD03
L21MD08

L22MD01
L22MD02
L22MD03
L22MD08

MAINTAINED POSITIONS - 90°

- Red
- Green
- Black
- Grey



L21MK01
L21MK02
L21MK03
L21MK08

L22MK01
L22MK02
L22MK03
L22MK08



L21MA08

Operator Heads: Ø 22mm

▶ SELECTOR SWITCHES - NON-ILLUMINATED



Technical Info (p.106)

WITH LEVER HANDLE

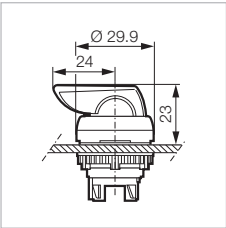
3 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21MR03



MAINTAINED POSITIONS - 45°

- Red
- Green
- Black
- Grey



L21MR01
L21MR02
L21MR03
L21MR08

L22MR01
L22MR02
L22MR03
L22MR08

SPRING RETURN FROM LEFT TO 0 - 45°

- Red
- Green
- Black
- Grey



L21MS01
L21MS02
L21MS03
L21MS08

L22MS01
L22MS02
L22MS03
L22MS08

SPRING RETURN FROM RIGHT TO 0 - 45°

- Red
- Green
- Black
- Grey



L21MT01
L21MT02
L21MT03
L21MT08

L22MT01
L22MT02
L22MT03
L22MT08

SPRING RETURN TO 0 - 45°

- Red
- Green
- Black
- Grey



L21MU01
L21MU02
L21MU03
L21MU08

L22MU01
L22MU02
L22MU03
L22MU08

Operator Heads: Ø 22mm

► SELECTOR SWITCHES - NON-ILLUMINATED



Technical Info (p. 106)

WITH KNOB

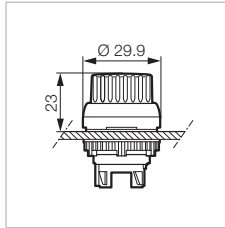
2 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21TF03



MAINTAINED POSITIONS - 45°

● Black

L21TA03

L22TA03

SPRING RETURN - 45°

● Black

L21TB03

L22TB03

MAINTAINED POSITIONS - 90°

L21TF03
● Black

L21TF03

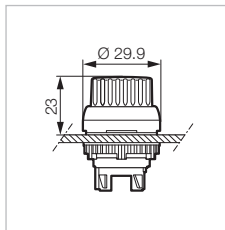
L22TF03

WITH KNOB

3 positions



L21UA03



MAINTAINED POSITIONS - 45°

● Black

L21UA03

L22UA03

SPRING RETURN FROM LEFT TO 0 - 45°

● Black

L21UB03

L22UB03

SPRING RETURN FROM RIGHT TO 0 - 45°

● Black

L21UC03

L22UC03

SPRING RETURN TO 0 - 45°

● Black

L21UD03

L22UD03

MAINTAINED POSITIONS - 90°

● Black

L21UK03

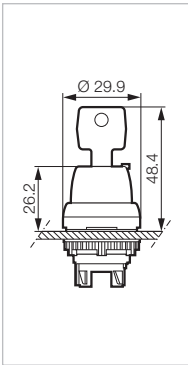
L22UK03

Operator Heads: Ø 22MM

▶ SELECTOR SWITCHES - NON-ILLUMINATED



Technical Info (p.106)

WITH KEY	2 positions		Chrome Bezel Part Number	Black Bezel Part Number	
 L21LG00 	Supplied with 2 keys profile n° 455				
		KEY FREE IN POSITION:			
	MAINTAINED POSITIONS - 45°				
	● Black		0	L21LA00	L22LA00
	SPRING RETURN - 45°				
	● Black		0	L21LB00	L22LB00
	MAINTAINED POSITIONS - 45°				
	● Black		0	L21LC00	L22LC00
	SPRING RETURN - 45°				
	● Black		0	L21LD00	L22LD00
	MAINTAINED POSITIONS - 90°				
	● Black		0	L21LF00	L22LF00
	MAINTAINED POSITIONS - 90°				
	● Black		0 - 1	L21LG00	L22LG00
	MAINTAINED POSITIONS - 90°				
	● Black		0 - 1	L21LH00	L22LH00
	MAINTAINED POSITIONS - 90°				
● Black		1	L21LK00	L22LK00	
FOR KEY PROFILE N° 1424A ADD SUFFIX “A” TO END OF ABOVE PART NUMBERS (IE. L21LA00A)					

Operator Heads: Ø 22MM

► SELECTOR SWITCHES - NON-ILLUMINATED



Technical Info (p. 106)

WITH KEY

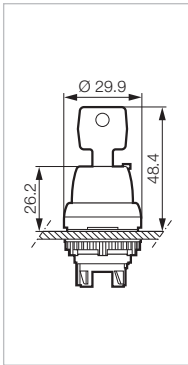
3 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21NA00



Supplied with 2 keys profile n° 455

KEY FREE IN POSITION:

MAINTAINED POSITIONS - 45°

● Black



0

L21NA00

L22NA00

SPRING RETURN FROM LEFT TO 0 - 45°

● Black



0

L21NB00

L22NB00

SPRING RETURN FROM RIGHT TO 0 - 45°

● Black



0

L21NC00

L22NC00

SPRING RETURN TO 0 - 45°

● Black



0

L21ND00

L22ND00

MAINTAINED POSITIONS - 45°

● Black



1 - 2

L21NE00

L22NE00

SPRING RETURN FROM RIGHT TO 0 - 45°

● Black



1

L21NJ00

L22NJ00

MAINTAINED POSITIONS - 90°

● Black



1 - 0 - 2

L21NK00

L22NK00

MAINTAINED POSITIONS - 90°

● Black



0

L21NL00

L22NL00

FOR KEY PROFILE N° 1424A ADD SUFFIX "A" TO END OF ABOVE PART NUMBERS (IE. L21NA00A)

Operator Heads: Ø 22mm

► MECHANICAL ACTUATOR MOMENTARY - NON-ILLUMINATED

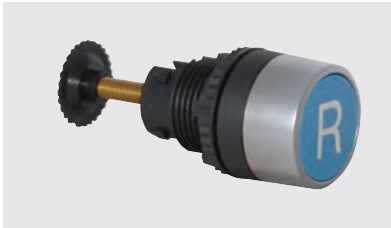


Technical Info (p.106)

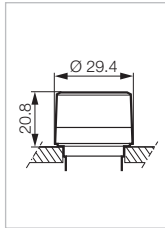
ADJUSTABLE MECHANICAL ACTUATOR - FLUSH

Chrome Bezel
Part Number

Black Bezel
Part Number



L21HA36949



To be used without electrical block

Stroke 11 mm

Adjustable: 26 mm min to 46 mm max / front side of panel

WITHOUT TEXT OR SYMBOL

● Red	L21HA01	L22HA01
● Green	L21HA02	L22HA02
● Black	L21HA03	L22HA03
● Yellow	L21HA04	L22HA04
○ White	L21HA05	L22HA05
● Blue	L21HA06	L22HA06

WITH TEXT OR SYMBOL (see p. 80 to 83)

Code to be added at the end of the part number

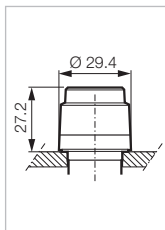
For custom text or symbol please contact us.

● Red	L21HA31	L22HA31
● Green	L21HA32	L22HA32
● Black	L21HA33	L22HA33
● Yellow	L21HA34	L22HA34
○ White	L21HA35	L22HA35
● Blue	L21HA36	L22HA36
● R Blue	L21HA363949	L22HA363949

ADJUSTABLE MECHANICAL ACTUATOR - PROJECTING



L21HB06



To be used without electrical block

Stroke 11 mm

Adjustable: 26 mm min to 46 mm max / front side of panel

● Red	L21HB01	L22HB01
● Green	L21HB02	L22HB02
● Black	L21HB03	L22HB03
● Yellow	L21HB04	L22HB04
○ White	L21HB05	L22HB05
● Blue	L21HB06	L22HB06

Operator Heads: Ø 22mm

► USB INTERFACE 3.0 A/A CONNECTION

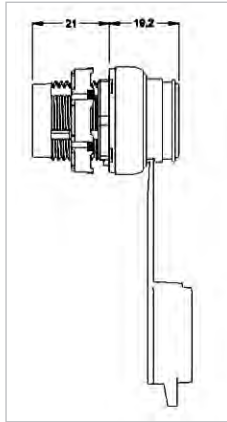


Technical Info (p. 106)

Chrome Bezel
Part Number



L21VB03



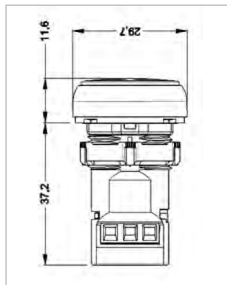
USB innterface 3.0 type A/A connection
USB Class: 3.0 (backward compatible with USB class 2.0)

L21VB03

Black Bezel
Part Number



L22VA03L



24 V AC/DC buzzer pulse or continuous sound
130 V AC/DC buzzer pulse or continuous sound
230 V AC/DC buzzer pulse or continuous sound

Buzzers operate at 80 dB at 10cm

L22VA03L
L22VA03M
L22VA03H

Operator Heads: Ø 22mm

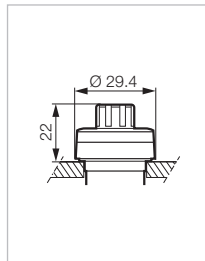
► BUTTON FOR POTENTIOMETER - NON-ILLUMINATED



Technical Info (p.106)



L21RP03



Head + mounting base for potentiometer with Plastic chrome bezel

Shaft Ø 6 or 6.35 mm
Potentiometer length 46 to 51 mm

NOTE: POTENTIOMETER NOT INCLUDED

Chrome Bezel
Part Number

Black Bezel
Part Number

L21RP03

L22RP03

► JOYSTICKS - NON-ILLUMINATED



LM2F



LMV4F

Heads supplied with a 3 position clip
Specific electrical blocks (p. 71)

HEAD DOES NOT LOCK IN POSITION 0

2 DIRECTIONS - 3 POSITIONS

2 maintained

A - 0 - B

LM2F

2 spring-return

A → 0 ← B

LM2A

4 DIRECTIONS - 5 POSITIONS

4 maintained

A
C - 0 - D
B

LM4F

4 spring-return

A
C → 0 ← D
B

LM4A

HEAD LOCKS IN POSITION 0

2 DIRECTIONS - 3 POSITIONS

2 maintained

A - 0 - B

LMV2F

2 spring-return

A → 0 ← B

LMV2A

4 DIRECTIONS - 5 POSITIONS

4 maintained

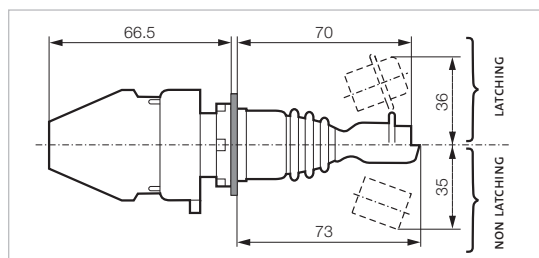
A
C - 0 - D
B

LMV4F

4 spring-return

A
C → 0 ← D
B

LMV4A



Operator Heads: Ø 22mm

► SPRING RETURN - ILLUMINATED

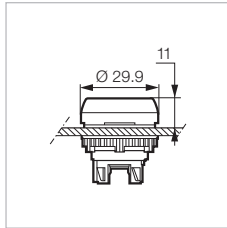


Technical Info (p. 106)

FLUSH



L21AH20



- Red
- Green
- Yellow
- White
- Blue--

Chrome Bezel
Part Number

Black Bezel
Part Number

L21AH10
L21AH20
L21AH40
L21AH50
L21AH60

L22AH10
L22AH20
L22AH40
L22AH50
L22AH60

WITH TEXT OR SYMBOL (see p. 82 to 85)
Code to be added at the end of the part number.
For custom text or symbol please contact us.



L21AH00

- Red
- Green
- Yellow
- White
- Blue

L21AH31□□□
L21AH32□□□
L21AH34□□□
L21AH35□□□
L21AH36□□□

L22AH31□□□
L22AH32□□□
L22AH34□□□
L22AH35□□□
L22AH36□□□

WITHOUT CAP

L21AH00

L22AH00

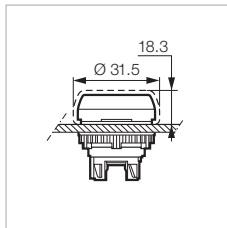
Pushbutton caps (see p. 84)

FLUSH WITH SHROUD

Reinforced degree of protection: IP 67



L22AQ40



Supplied with flat shroud

TRANSPARENT SHROUD

Components
Operator + Shroud

- Red
- Green
- Yellow
- White
- Blue

L22AH10 + LWA0255
L22AH20 + LWA0255
L22AH40 + LWA0255
L22AH50 + LWA0255
L22AH60 + LWA0255

L22AQ10
L22AQ20
L22AQ40
L22AQ50
L22AQ60

WITH TEXT OR SYMBOL (see p. 82 to 85)
Code to be added at the end of the part number.
For custom text or symbol please contact us.

- Red
- Green
- Yellow
- White
- Blue

L22AH31□□□ + LWA0255
L22AH32□□□ + LWA0255
L22AH34□□□ + LWA0255
L22AH35□□□ + LWA0255
L22AH36□□□ + LWA0255

L22AQ31□□□
L22AQ32□□□
L22AQ34□□□
L22AQ35□□□
L22AQ36□□□

Operator Heads: Ø 22mm

► SPRING RETURN - ILLUMINATED



Technical Info (p.106)

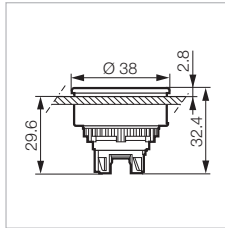
SUPER FLUSH

Chrome Bezel
Part Number

Black Bezel
Part Number



L23AH10



METAL CHROME BEZEL
Panel cut-out Ø 30 mm

WITHOUT ENGRAVING

● Red	L23AH10
● Green	L23AH20
● Yellow	L23AH40
○ White	L23AH50
● Blue	L23AH60

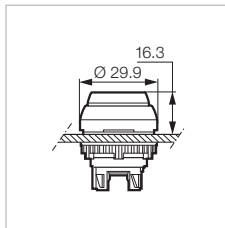
WITH TEXT OR SYMBOL (see p. 82 to 85)
Code to be added at the end of the part number.
For custom text or symbol please contact us.

● Red	L23AH31
● Green	L23AH32
● Yellow	L23AH34
○ White	L23AH35
● Blue	L23AH36

PROJECTING



L21AK20

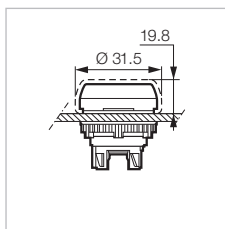


● Red	L21AK10	L22AK10
● Green	L21AK20	L22AK20
● Yellow	L21AK40	L22AK40
○ White	L21AK50	L22AK50
● Blue	L21AK60	L22AK60

PROJECTING WITH SHROUD



L22AZ10



Supplied with domed shroud

TRANSPARENT SHROUD

Components
Operator + Shroud

● Red	L22AK10 + LWA0228	L22AZ10
● Green	L22AK20 + LWA0228	L22AZ20
● Yellow	L22AK40 + LWA0228	L22AZ40
○ White	L22AK50 + LWA0228	L22AZ50
● Blue	L22AK60 + LWA0228	L22AZ60

Operator Heads: Ø 22mm

► SPRING RETURN - ILLUMINATED

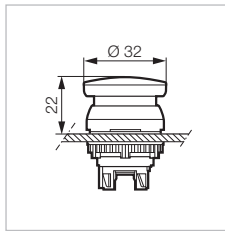


Technical Info (p. 106)

Ø 32 MUSHROOM



L21AL10



Push

- Red
- Green
- Yellow
- White

Chrome Bezel
Part Number

Black Bezel
Part Number

L21AL10
L21AL20
L21AL40
L21AL50

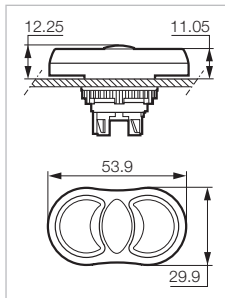
L22AL10
L22AL20
L22AL40
L22AL50

FLUSH-FLUSH

Twin touch - degree of protection: IP66



L62QH21



CENTRAL PART ILLUMINATED WITH INTERNATIONAL SYMBOLS

- Green
- Red

L61QH21

L62QH21

BLANK

- Green
- Green

L61QH22V

L62QH22V

WITH TEXT

- Green (START)
- Red (STOP)

L61QH21A

L62QH21A

WITH ARROWS

- Green (up arrow)
- Green (down arrow)

L61QH22A

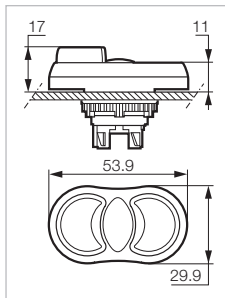
L62QH22A

FLUSH-PROJECTING

Twin touch - degree of protection: IP66



L61QK21



CENTRAL PART ILLUMINATED

- Green
- Red

L61QK21

L62QK21

WITH INTERNATIONAL SYMBOLS

- White
- Black

L61QK53

L62QK53

WITH TEXT

- Green (START)
- Red (STOP)

L61QK21A

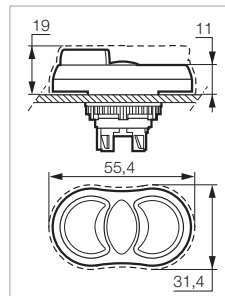
L62QK21A

FLUSH-PROJECTING WITH SHROUD

Twin touch - reinforced degree of protection: IP67



L62QN21



CENTRAL PART ILLUMINATED WITH INTERNATIONAL SYMBOLS

- Green
- Red

L61QN21

L62QN21

WITH TEXT

- Green (START)
- Red (STOP)

L61QN21A

L62QN21A

Operator Heads: ø 22mm

► MAINTAINED - ILLUMINATED

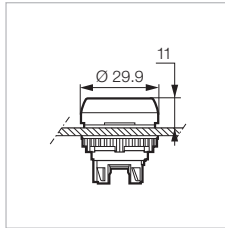


Technical Info (p. 106)

FLUSH



L21CH20



- Red
- Green
- Yellow
- White
- Blue

Chrome Bezel
Part Number

Black Bezel
Part Number

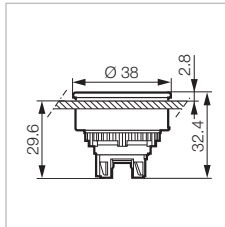
L21CH10
L21CH20
L21CH40
L21CH50
L21CH60

L22CH10
L22CH20
L22CH40
L22CH50
L22CH60

SUPER FLUSH



L23CH10



Metal chrome bezel
Panel Cut-out ø 30 mm

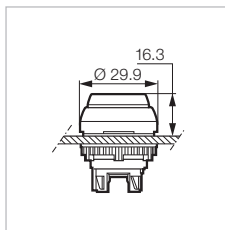
- Red
- Green
- Yellow
- White
- Blue

L23CH10
L23CH20
L23CH40
L23CH50
L23CH60

PROJECTING



L21CK20



- Red
- Green
- Yellow
- White
- Blue

L21CK10
L21CK20
L21CK40
L21CK50
L21CK60

L22CK10
L22CK20
L22CK40
L22CK50
L22CK60

Operator Heads: Ø 22mm

► MAINTAINED - ILLUMINATED



Technical Info (p. 106)

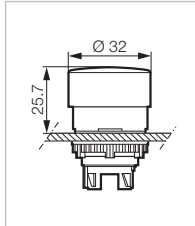
Ø 32 MUSHROOM

Push-turn to reset

Black Bezel
Part Number



L22EL10



- Red
- Green
- Yellow

L22EL10
L22EL20
L22EL40

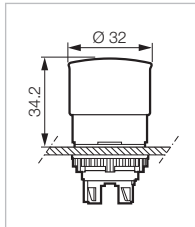
Ø 32 MUSHROOM

Push-pull to reset

L22DL10



L22DL10



- Red

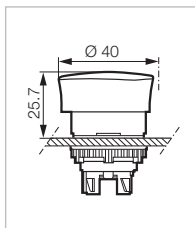
Ø 40 MUSHROOM

Push-turn to reset

L22EM10
L22EM20
L22EM40



L22EM10



- Red
- Green
- Yellow

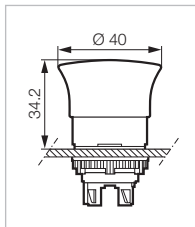
Ø 40 MUSHROOM

Push-pull to reset

L22DM10
L22DM20
L22DM40
L22DM50



L22DM10



- Red
- Green
- Yellow
- White

Operator Heads: Ø 22mm

► EMERGENCY STOP MAINTAINED - ILLUMINATED



Technical Info (p. 106)

Ø 40 ISO 13850

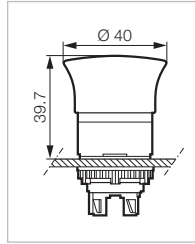
Push-pull to reset

Chrome Bezel
Part Number

Black Bezel
Part Number



L22DN10



Black bezel
Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
ISO 13850

● Red

L22DN10

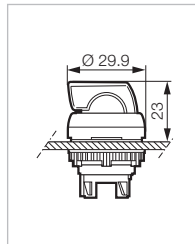
► SELECTOR SWITCHES - ILLUMINATED

WITH HANDLE

2 positions



L21KJ30



Maintained positions - 45°

● Red
● Green
● Black



L21KG10
L21KG20
L21KG30

L22KG10
L22KG20
L22KG30

Spring return- 45°

● Red
● Green
● Black



L21KH10
L21KH20
L21KH30

L22KH10
L22KH20
L22KH30

Maintained positions - 45°

● Red
● Green
● Black



L21KJ10
L21KJ20
L21KJ30

L22KJ10
L22KJ20
L22KJ30

Spring return- 45°

● Red
● Green
● Black



L21KK10
L21KK20
L21KK30

L22KK10
L22KK20
L22KK30

Maintained positions - 90°

● Red
● Green
● Black



L21KL10
L21KL20
L21KL30

L22KL10
L22KL20
L22KL30

Maintained positions - 90°

● Red
● Green
● Black



L21KM10
L21KM20
L21KM30

L22KM10
L22KM20
L22KM30

Operator Heads: Ø 22mm

► SELECTOR SWITCHES - ILLUMINATED



Technical Info (p.106)

WITH LEVER HANDLE

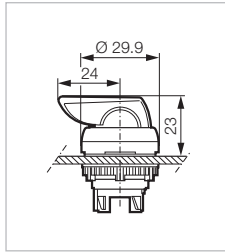
2 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21KV30



Maintained positions - 45°

● Black



L21KV30

L22KV30

Maintained positions - 45°

● Black



L21KX30

L22KX30

Spring return - 45°

● Black



L21KY30

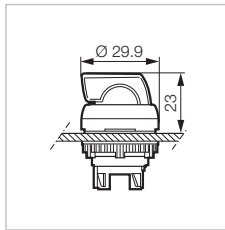
L22KY30

WITH HANDLE

3 positions



L21ME10



Maintained positions - 45°

● Red
● Green
● Black



L21ME10
L21ME20
L21ME30

L22ME10
L22ME20
L22ME30

Spring return from left to 0 - 45°

● Red
● Green
● Black



L21MF10
L21MF20
L21MF30

L22MF10
L22MF20
L22MF30

Spring return from right to 0 - 45°

● Red
● Green
● Black



L21MG10
L21MG20
L21MG30

L22MG10
L22MG20
L22MG30

Spring return to 0 - 45°

● Red
● Green
● Black



L21MH10
L21MH20
L21MH30

L22MH10
L22MH20
L22MH30

Maintained positions - 90°

● Red
● Green
● Black



L21MJ10
L21MJ20
L21MJ30

L22MJ10
L22MJ20
L22MJ30

Operator Heads: Ø 22mm

► SELECTOR SWITCHES - ILLUMINATED

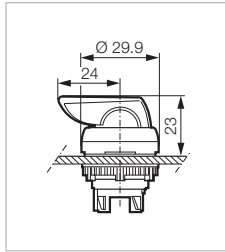


Technical Info (p. 106)

WITH LEVER HANDLE



L21ML30



3 positions

Chrome Bezel
Part Number

Black Bezel
Part Number

Maintained positions - 45°

● Black



L21ML30

L22ML30

Spring return from left to 0 - 45°

● Black



L21MM30

L22MM30

Spring return from right to 0 - 45°

● Black



L21MN30

L22MN30

Spring return to 0 - 45°

● Black



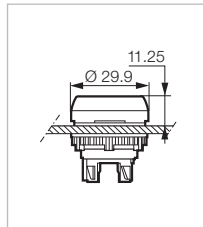
L21MP30

L22MP30

► PILOT LIGHTS - HEAD ONLY



L20SE20



- Red
- Green
- Yellow
- White
- Blue

L20SE10
L20SE20
L20SE40
L20SE50
L20SE60

WITH TEXT OR SYMBOL (see p. 82 to 85)
Code to be added at the end of the part number.
For custom text or symbol please contact us.

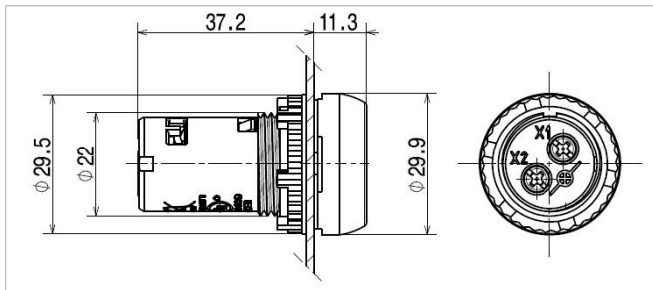
- Red
- Green
- Yellow
- White
- Blue

L20SE31□□□
L20SE32□□□
L20SE34□□□
L20SE35□□□
L20SE36□□□

Operator Heads: Ø 22mm

► ONE-PIECE PILOT LIGHTS

ONE-PIECE WITH INTEGRATED LED



24 Vac/dc

- Red
- Green
- Yellow
- White
- Blue

Part Number

L20SC10L
L20SC20L
L20SC40L
L20SC50L
L20SC60L

With Text or Symbol Part Number **

L20SC31L [] [] []
L20SC32L [] [] []
L20SC34L [] [] []
L20SC35L [] [] []
L20SC36L [] [] []

130 Vac/dc

- Red
- Green
- Yellow
- White
- Blue

L20SC10M
L20SC20M
L20SC40M
L20SC50M
L20SC60M

L20SC31M [] [] []
L20SC32M [] [] []
L20SC34M [] [] []
L20SC35M [] [] []
L20SC36M [] [] []

230 Vac/dc*

- Red
- Green
- Yellow
- White
- Blue

L20SC10H
L20SC20H
L20SC40H
L20SC50H
L20SC60H

L20SC31H [] [] []
L20SC32H [] [] []
L20SC34H [] [] []
L20SC35H [] [] []
L20SC36H [] [] []

* 230V DC rating is Self-Declared.

** Code to be added to end of part number.
See p. 82 to 85 for standard text and symbol options.
For custom text or symbol please contact us.

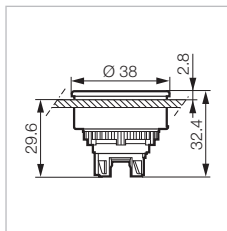
► SUPER FLUSH PILOT LIGHTS - HEAD ONLY

SUPER FLUSH

Chrome Bezel Part Number



L23SE10



METAL CHROME BEZEL Panel cut-out Ø 30 mm

- Red
- Green
- Yellow
- White
- Blue

L23SE10
L23SE20
L23SE40
L23SE50
L23SE60

Block holder clips for assembly as you require

1, 3 or 5-position clips

► CLIP

"A flexible configuration for assembly in any order..."

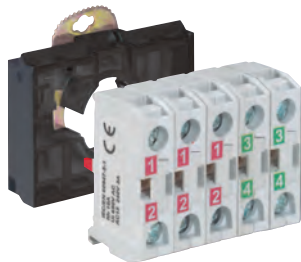
► 1 BLOCK



► 3 BLOCKS



► 5 BLOCKS



► MODULAR

Stacking without accessories



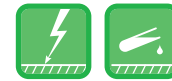
- Snap fit, tools not required to attach contact blocks
- Cost effective solution: 1 position clip
- Blocks can be stacked on 2 levels, up to 3 blocks wide (blocks cannot be stacked using 5 row clip)
- Blocks can be assembled in any order (except pilot light)
- Optimized dimensions: reduced depth of blocks

► BLOCK

"Imaginatively designed to be safe, robust and durable"

► MATERIAL

- IP20 as "finger safe"
- Electrical insulation
- Corrosion-resistant



► ENVIRONMENT

- Respect for the environment, RoHS compliant



- LED blocks: combine long life and economy
- Corrosion resistant to some chemicals and sea air, etc
- Conform to standard EN IEC 60947-5-1
- Conform to RoHS European directive concerning restriction of hazardous substances

Separate units: Blocks sub-assemblies

► CONTACT BLOCKS - FOR NON-ILLUMINATED HEADS



Technical Info (p.106)

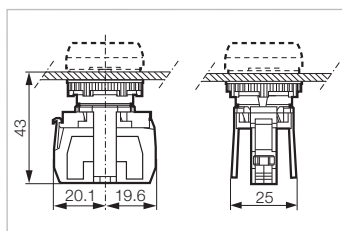
SCREW TERMINALS

1 position clip

Part Number



331E10



331E10

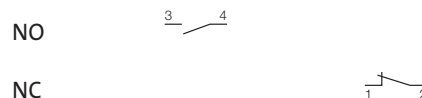
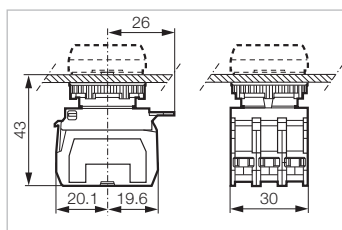
331E01

SCREW TERMINALS

3 position clip

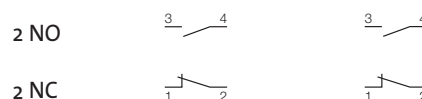


333E21



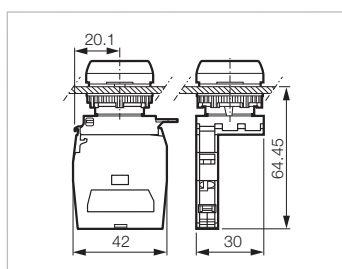
333E10

333E01

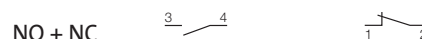


333E20

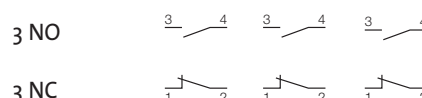
333E02



NO/NC

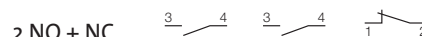


333E11

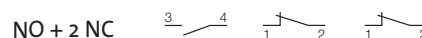


333E30

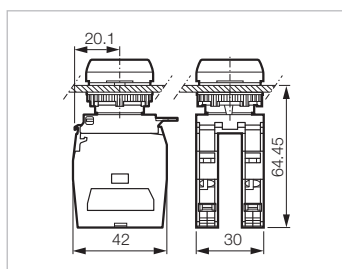
333E03



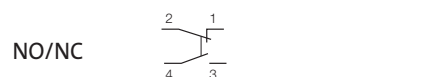
333E21



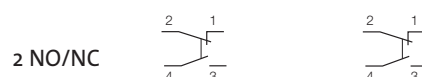
333E12



2 NO/NC



334E11



334E22

Separate units: Blocks sub-assemblies

► CONTACT BLOCKS - FOR NON-ILLUMINATED HEADS



Technical Info (p.106)

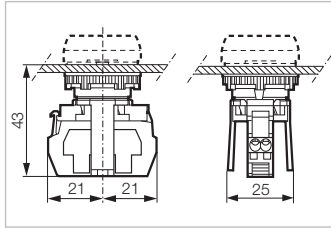
PLUG-IN TERMINALS

1 position clip

Part Number



331ER01



NO



331ER10

NC



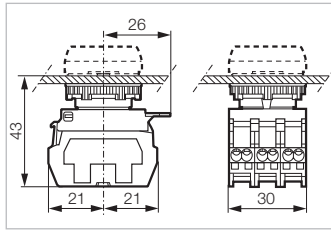
331ER01

PLUG-IN TERMINALS

3 position clip



333ER11



NO



333ER10

NC



333ER01

2 NO



333ER20

2 NC



333ER02

NO + NC



333ER11

3 NO



333ER30

3 NC



333ER03

Separate units: Blocks sub-assemblies

► CONTACT BLOCKS - FOR NON-ILLUMINATED HEADS



Technical Info (p.106)

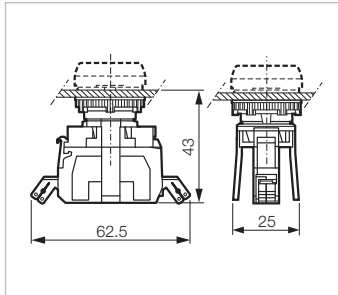
FASTON TERMINALS

1 position clip

Part Number



331ED10



NO



331ED10

NC



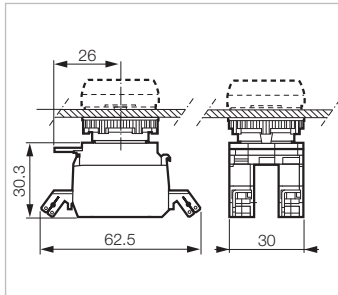
331ED01

FASTON TERMINALS

3 position clip



333ED20



NO



333ED10

NC



333ED01

2 NO



333ED20

2 NC



333ED02

NO + NC



333ED11

3 NO



333ED30

3 NC



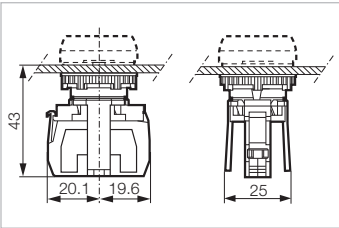
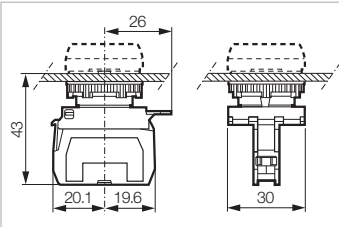
333ED03

Separate units: Blocks sub-assemblies

► CONTACT BLOCKS - FOR ILLUMINATED HEADS

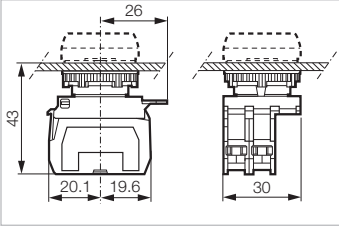


Technical Info (p. 106)

SCREW TERMINALS	LED block	1 POSITION CLIP Part Number	3 POSITION CLIP Part Number
 331EAGL	 LED X1 X2 12/24 Vac/Vdc ○ White ● Red ● Green ● Blue ● Yellow	331EAWL 331EARL 331EAGL 331EABL 331EAYL	333EAWL 333EARL 333EAGL 333EABL 333EAYL
 333EAGL	 130 Vac ○ White ● Red ● Green ● Blue ● Yellow	331EAWM 331EARM 331EAGM 331EABM 331EAYM	333EAWM 333EARM 333EAGM 333EABM 333EAYM
	230 Vac ○ White ● Red ● Green ● Blue ● Yellow	331EAWH 331EAWH 331EAGH 331EABH 331EAYH	333EAWH 333EAWH 333EAGH 333EABH 333EAYH

SCREW TERMINALS

3 position clip: NO + LED block

 333EAWM10	 NO LED 3 4 X1 X2 12/24 Vac/Vdc ○ White ● Red ● Green ● Blue ● Yellow	333EAWL10 333EARL10 333EAGL10 333EABL10 333EAYL10
	130 Vac ○ White ● Red ● Green ● Blue ● Yellow	333EAWM10 333EARM10 333EAGM10 333EABM10 333EAYM10
	230 Vac ○ White ● Red ● Green ● Blue ● Yellow	333EAWH10 333EARH10 333EAGH10 333EABH10 333EAYH10

Separate units: Blocks sub-assemblies

CONTACT BLOCKS - FOR ILLUMINATED HEADS



Technical Info (p.106)

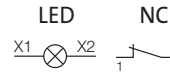
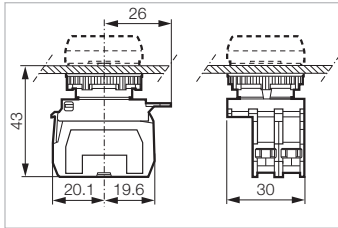
SCREW TERMINALS

3 position clip: LED block + NC

Part Number



333EAWL01



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

333EAWL01
333EARL01
333EAGL01
333EABL01
333EAYL01

130 Vac

- White
- Red
- Green
- Blue
- Yellow

333EAWM01
333EARM01
333EAGM01
333EABM01
333EAYM01

230 Vac

- White
- Red
- Green
- Blue
- Yellow

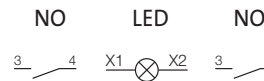
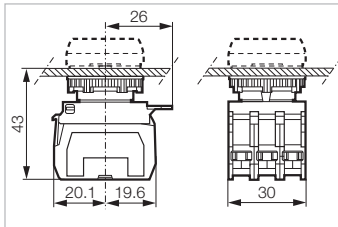
333EAWH01
333EARH01
333EAGH01
333EABH01
333EAYH01

SCREW TERMINALS

3 position clip: NO + LED block + NO



333EARL20



12/24 Vac/dc

- White
- Red
- Green
- Blue
- Yellow

333EAWL20
333EARL20
333EAGL20
333EABL20
333EAYL20

130 Vac

- White
- Red
- Green
- Blue
- Yellow

333EAWM20
333EARM20
333EAGM20
333EABM20
333EAYM20

230 Vac

- White
- Red
- Green
- Blue
- Yellow

333EAWH20
333EARH20
333EAGH20
333EABH20
333EAYH20

Separate units: Blocks sub-assemblies

► CONTACT BLOCKS - FOR ILLUMINATED HEADS



Technical Info (p.106)

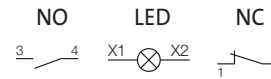
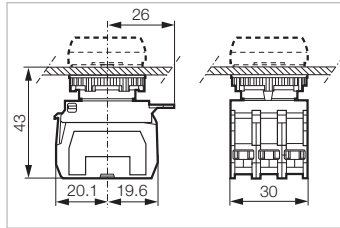
SCREW TERMINALS

3 position clip: NO + LED block + NC

Part Number



333EARL11



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

333EAWL11
333EARL11
333EAGL11
333EABL11
333EAYL11

130 Vac

- White
- Red
- Green
- Blue
- Yellow

333EAWM11
333EARM11
333EAGM11
333EABM11
333EAYM11

230 Vac

- White
- Red
- Green
- Blue
- Yellow

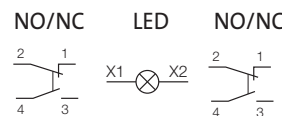
333EAWH11
333EARH11
333EAGH11
333EABH11
333EAYH11

SCREW TERMINALS

3 position clip: NO/NC + LED block + NO/NC



334EARL22



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

334EAWL22
334EARL22
334EAGL22
334EABL22
334EAYL22

130 Vac

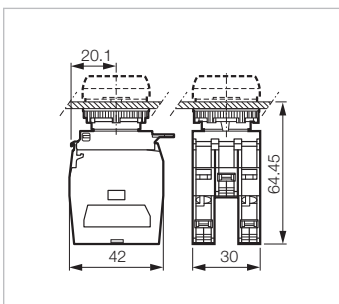
- White
- Red
- Green
- Blue
- Yellow

334EAWM22
334EARM22
334EAGM22
334EABM22
334EAYM22

230 Vac

- White
- Red
- Green
- Blue
- Yellow

334EAWH22
334EARH22
334EAGH22
334EABH22
334EAYH22



Separate units: Blocks sub-assemblies

► CONTACT BLOCKS - FOR ILLUMINATED HEADS



Technical Info (p.106)

PLUG-IN TERMINALS

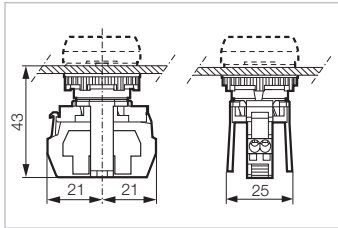
LED block

1 POSITION CLIP
Part Number

3 POSITION CLIP
Part Number



331ERAGH



12/24 Vac/Vdc

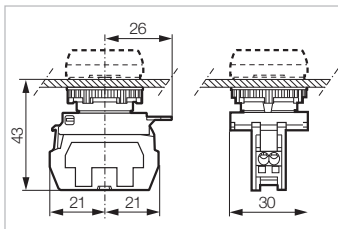
- White
- Red
- Green
- Blue
- Yellow

331ERAWL
331ERARL
331ERAGL
331ERABL
331ERAYL

333ERAWL
333ERARL
333ERAGL
333ERABL
333ERAYL



333ERAGH



130 Vac

- White
- Red
- Green
- Blue
- Yellow

331ERAWM
331ERARM
331ERAGM
331ERABM
331ERAYM

333ERAWM
333ERARM
333ERAGM
333ERABM
333ERAYM

230 Vac

- White
- Red
- Green
- Blue
- Yellow

331ERAWH
331ERARH
331ERAGH
331ERABH
331ERAYH

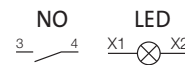
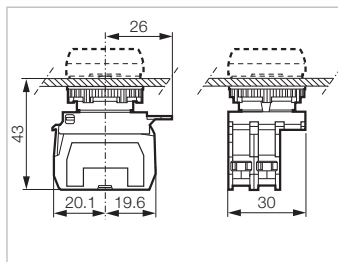
333ERAWH
333ERARH
333ERAGH
333ERABH
333ERAYH

PLUG-IN TERMINALS

3 position clip: NO + LED block



333ERAGL10



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

333ERAWL10
333ERARL10
333ERAGL10
333ERABL10
333ERAYL10

130 Vac

- White
- Red
- Green
- Blue
- Yellow

333ERAWM10
333ERARM10
333ERAGM10
333ERABM10
333ERAYM10

230 Vac

- White
- Red
- Green
- Blue
- Yellow

333ERAWH10
333ERARH10
333ERAGH10
333ERABH10
333ERAYH10

Separate units: Blocks sub-assemblies

► CONTACT BLOCKS - FOR ILLUMINATED HEADS



Technical Info (p. 106)

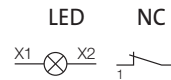
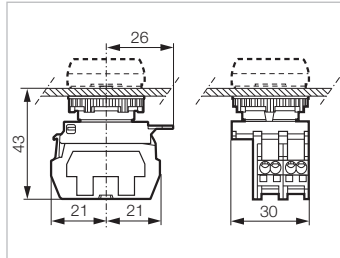
PLUG-IN TERMINALS

3 position clip: LED block + NC

Part Number



333ERAGH01



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

333ERAWL01
333ERARL01
333ERAGL01
333ERABL01
333ERAYL01

130 Vac

- White
- Red
- Green
- Blue
- Yellow

333ERAWM01
333ERARM01
333ERAGM01
333ERABM01
333ERAYM01

230 Vac

- White
- Red
- Green
- Blue
- Yellow

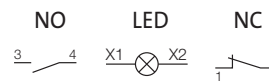
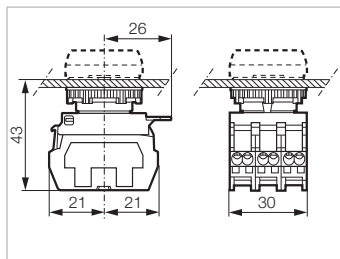
333ERAWH01
333ERARH01
333ERAGH01
333ERABH01
333ERAYH01

PLUG-IN TERMINALS

3 position clip: NO + LED block + NC



333ERAGH11



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

333ERAWL11
333ERARL11
333ERAGL11
333ERABL11
333ERAYL11

130 Vac

- White
- Red
- Green
- Blue
- Yellow

333ERAWM11
333ERARM11
333ERAGM11
333ERABM11
333ERAYM11

230 Vac

- White
- Red
- Green
- Blue
- Yellow

333ERAWH11
333ERARH11
333ERAGH11
333ERABH11
333ERAYH11

Separate units: Blocks sub-assemblies

► CONTACT BLOCKS - FOR ILLUMINATED HEADS



Technical Info (p.106)

FASTON TERMINALS

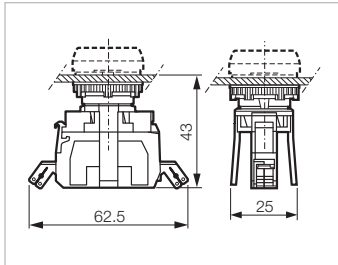
LED block

1 POSITION CLIP
Part Number

3 POSITION CLIP
Part Number



331EDARL



12/24 Vac/Vdc

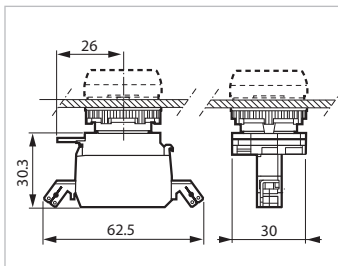
- White
- Red
- Green
- Blue
- Yellow

331EDAWL
331EDARL
331EDAGL
331EDABL
331EDAYL

333EDAWL
333EDARL
333EDAGL
333EDABL
333EDAYL



333EDARL



130 Vac

- White
- Red
- Green
- Blue
- Yellow

331EDAWM
331EDARM
331EDAGM
331EDABM
331EDAYM

333EDAWM
333EDARM
333EDAGM
333EDABM
333EDAYM

230 Vac

- White
- Red
- Green
- Blue
- Yellow

331EDAWH
331EDARH
331EDAGH
331EDABH
331EDAYH

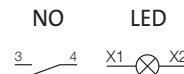
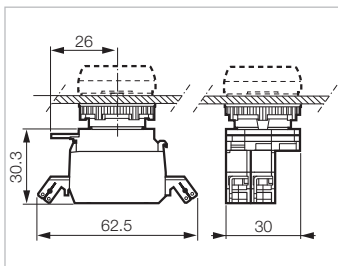
333EDAWH
333EDARH
333EDAGH
333EDABH
333EDAYH

FASTON TERMINALS

3 position clip: NO + LED block



333EDARL10



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

333EDAWL10
333EDARL10
333EDAGL10
333EDABL10
333EDAYL10

130 Vac

- White
- Red
- Green
- Blue
- Yellow

333EDAWM10
333EDARM10
333EDAGM10
333EDABM10
333EDAYM10

230 Vac

- White
- Red
- Green
- Blue
- Yellow

333EDAWH10
333EDARH10
333EDAGH10
333EDABH10
333EDAYH10

Separate units: Blocks sub-assemblies

► CONTACT BLOCKS - FOR ILLUMINATED HEADS



Technical Info (p.106)

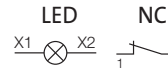
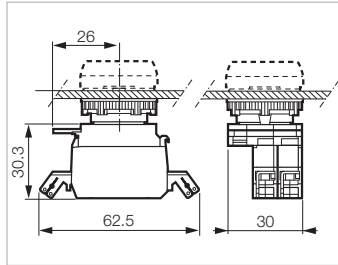
FASTON TERMINALS

3 position clip: LED block + NC

Part Number



333EDARM01



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

333EDAWL01
333EDARL01
333EDAGL01
333EDABL01
333EDAYL01

130 Vac

- White
- Red
- Green
- Blue
- Yellow

333EDAWM01
333EDARM01
333EDAGM01
333EDABM01
333EDAYM01

230 Vac

- White
- Red
- Green
- Blue
- Yellow

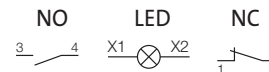
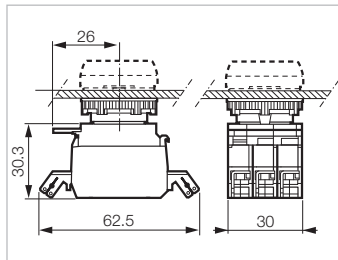
333EDAWH01
333EDARH01
333EDAGH01
333EDABH01
333EDAYH01

FASTON TERMINALS

3 position clip: NO + LED block + NC



333EDARL11



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

333EDAWL11
333EDARL11
333EDAGL11
333EDABL11
333EDAYL11

130 Vac

- White
- Red
- Green
- Blue
- Yellow

333EDAWM11
333EDARM11
333EDAGM11
333EDABM11
333EDAYM11

230 Vac

- White
- Red
- Green
- Blue
- Yellow

333EDAWH11
333EDARH11
333EDAGH11
333EDABH11
333EDAYH11

Separate units: Clips

CLIPS



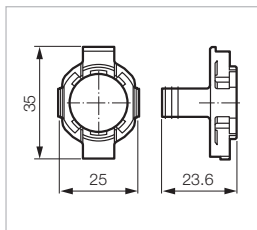
Technical Info (p. 106)

CLIPS

Part Number



331E



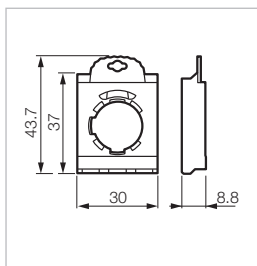
To be combined with blocks (p. 69 to 75)

1 position

331E

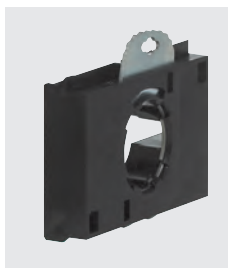


333E

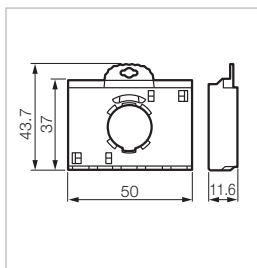


3 positions

333E



335E



5 positions (only for $\varnothing 22$ heads)

335E

CLIPS - JOYSTICK ONLY



LME3

3 positions (only for Joystick operators)

LME3



LME5

5 positions (only for Joystick operators)

LME5

Separate units: Blocks

CONTACT BLOCKS

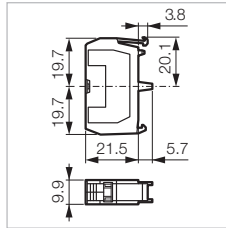
 Technical Info (p. 106)

SCREW TERMINALS

Part Number



33E10



NO



33E10

NC



33E01

NO/NC

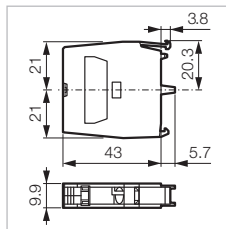


33E11

Gold plated contacts
for low current applications



33E11



NO



33E10Y7

NC



33E01Y7

Late Break NC Contact

NC

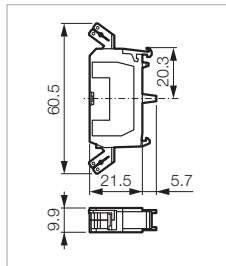


33E01C

FASTON TERMINALS



33D01



NO



33D10

NC

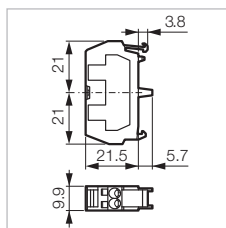


33D01

PLUG-IN TERMINALS



33R01



NO



33R10

NC



33R01

Separate units: Blocks

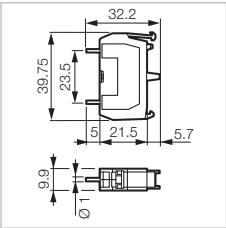
CONTACT BLOCKS

 Technical Info (p. 106)

FOR PCB (PIN-STYLE TERMINALS) Part Number



33P10



NO 

33P10

NC 

33P01

Gold plated contacts
for low current applications

NO 

33P10Y7

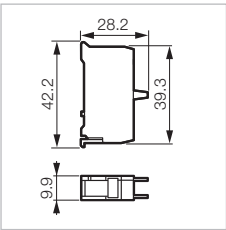
NC 

33P01Y7

FOR CONTROL STATIONS (SCREW TERMINALS)



33S01



For empty LBX control stations (p. 94 to 101)
Base mounted

NO 

33S10

NC 

33S01

Separate units: Blocks

► LED BLOCKS



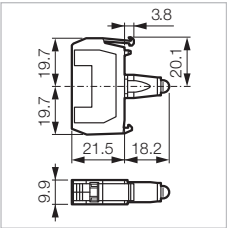
Technical Info (p. 106)

SCREW TERMINALS

Part Number



33EARL



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

33EAWL
33EARL
33EAGL
33EABL
33EAYL

48 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

33EAWL4
33EARL4
33EAGL4
33EABL4
33EAYL4

130 Vac

- White
- Red
- Green
- Blue
- Yellow

33EAWM
33EARM
33EAGM
33EABM
33EAYM

230 Vac

- White
- Red
- Green
- Blue
- Yellow

33EAWH
33EARH
33EAGH
33EABH
33EAYH

110 Vdc*

- White

33EAWDM*

* NOT UL CERTIFIED

Separate units: Blocks

▶ LED BLOCKS

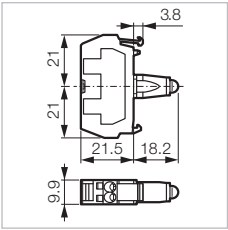
 Technical Info (p.106)

PLUG-IN TERMINALS

Part Number



33RAGH



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

- 33RAWL
- 33RARL
- 33RAGL
- 33RABL
- 33RAYL

130 Vac

- White
- Red
- Green
- Blue
- Yellow

- 33RAWM
- 33RARM
- 33RAGM
- 33RABM
- 33RAYM

230 Vac

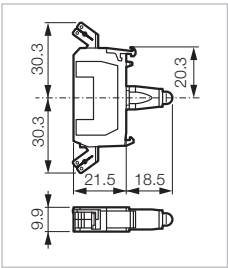
- White
- Red
- Green
- Blue
- Yellow

- 33RAWH
- 33RARH
- 33RAGH
- 33RABH
- 33RAYH

FASTON TERMINALS



33DARL



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

- 33DAWL
- 33DARL
- 33DAGL
- 33DABL
- 33DAYL

130 Vac

- White
- Red
- Green
- Blue
- Yellow

- 33DAWM
- 33DARM
- 33DAGM
- 33DABM
- 33DAYM

230 Vac

- White
- Red
- Green
- Blue
- Yellow

- 33DAWH
- 33DARH
- 33DAGH
- 33DABH
- 33DAYH

Separate units: Blocks

► LED BLOCKS



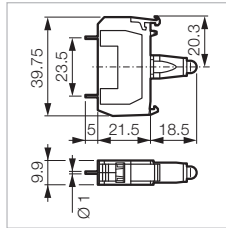
Technical Info (p. 106)

FOR PCB (PIN STYLE)

Part Number



33PAWL



12/24 Vac/Vdc

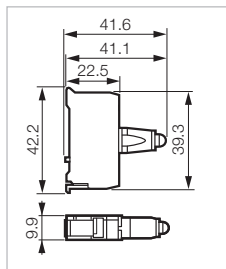
- White
- Red
- Green
- Blue
- Yellow

33PAWL
33PARL
33PAGL
33PABL
33PAYL

FOR CONTROL STATIONS (SCREW TERMINALS)



33SAGH



For empty LBX control stations (p. 98 to 99)
Base mounted



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

33SAWL
33SARL
33SAGL
33SABL
33SAYL

130 Vac

- White
- Red
- Green
- Blue
- Yellow

33SAWM
33SARM
33SAGM
33SABM
33SAYM

230 Vac

- White
- Red
- Green
- Blue
- Yellow

33SAWH
33SARH
33SAGH
33SABH
33SAYH

Separate units: Blocks

► SPECIFIC BLOCKS

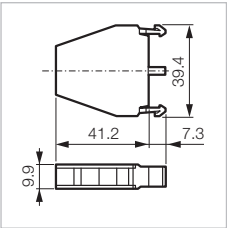
 Technical Info (p. 106)

FOR JOYSTICKS (SCREW TERMINALS)

Part Number



LM11



Joysticks (p. 47)

NO/NC

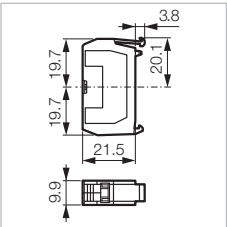


LM11

LAMP-TEST BLOCKS (SCREW TERMINALS)

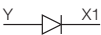


33ET



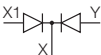
For 24 and 48 V

1 diode



33ET

2 diodes



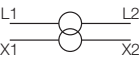
33ETT

TRANSFORMER BLOCKS (SCREW TERMINALS)

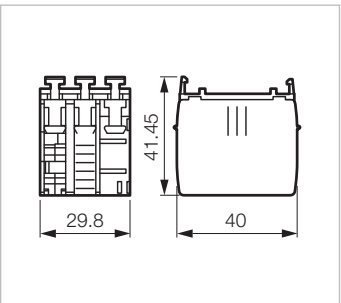


33EHC

230/24 V
400/24V



33EHC
33ELC



Separate units: Blocks

SPECIFIC BLOCKS



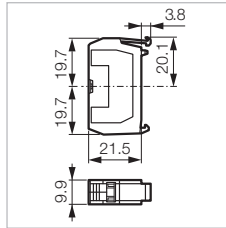
Technical Info (p. 106)

FILTER BLOCKS (SCREW TERMINALS)

Part Number



33EFH



Prevents from voltage peaks for LED block
To be wired in parallel of the LED block

130 Vac
230 Vac

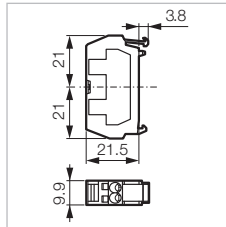


33EFM
33EFH

FILTER BLOCKS (PLUG-IN TERMINALS)



33RFH



Prevents from voltage peaks for LED block
To be wired in parallel with the LED block

130 Vac
230 Vac

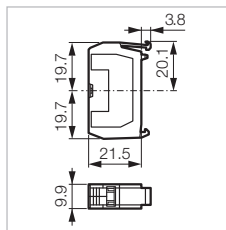


33RFM
33RFH

JUNCTION BLOCK (SCREW TERMINALS)



33EY



2 interconnected
terminals

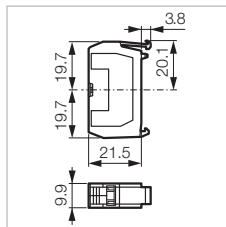


33EY

EMPTY BLOCK



33EX

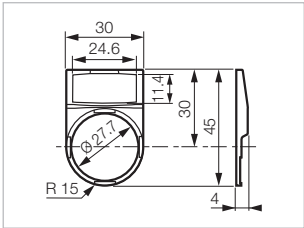
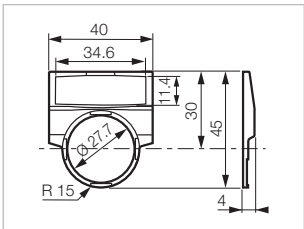


For empty positions on 3 or 5 position clip

33EX

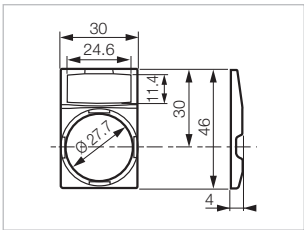
Accessories: ø 22mm

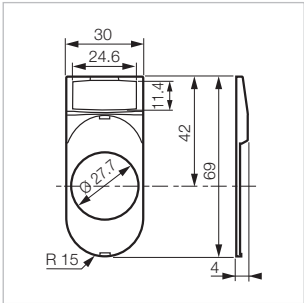
► COMPLETE LEGEND PLATES (FRAME + INSERT)

Standard model - 30 x 45 mm		Part Number
 LWP31		Round shape Black frame and legend plate unassembled 2 lines maximum, 13 characters per line WITHOUT ENGRAVING ● Red LWP31 ● Black LWP33 ○ White LWP35 ● Alu LWP39 WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us. ● Red - white engraving LWP31 ● Black - white engraving LWP33 ○ White - black engraving LWP35 ● Alu - black engraving LWP39 PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER...) ○ Transparent LWP37
Large model - 40 x 45 mm		
 LWG33		Round shape Black frame and legend plate unassembled 2 lines maximum, 18 characters per line WITHOUT ENGRAVING ● Red LWG31 ● Black LWG33 ○ White LWG35 ● --- LWG39 WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us. ● Red - white engraving LWG31 ● Black - white engraving LWG33 ○ White - black engraving LWG35 ● Alu - black engraving LWG39 PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER...) ○ Transparent LWG37

Accessories: ϕ 22mm

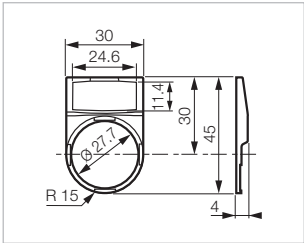
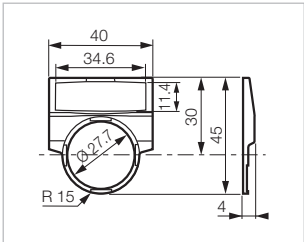
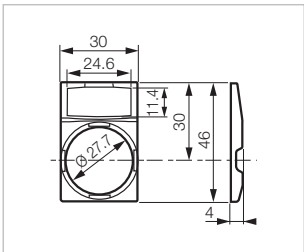
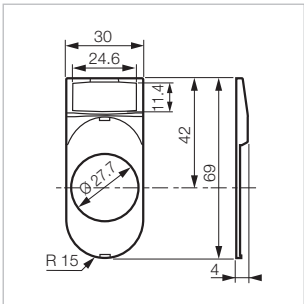
► COMPLETE LEGEND PLATES (FRAME + INSERT)

Standard model - 30 x 46 mm		Part Number
 LWP45		Square shape Black frame and legend plate unassembled 2 lines maximum, 13 characters per line WITHOUT ENGRAVING ● Red LWP41 ● Black LWP43 ○ White LWP45 ● Alu LWP49 WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us. ● Red - white engraving LWP41□□□ ● Black - white engraving LWP43□□□ ○ White - black engraving LWP45□□□ ● Alu - black engraving LWP49□□□ PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER...) ○ Transparent LWP47

Standard model - 30 x 69 mm		Part Number
 LWP29381		Round shape for Twin and Triple Touch operators Black frame and legend plate unassembled 2 lines maximum, 13 characters per line WITHOUT ENGRAVING ● Red LWP21 ● Black LWP23 ○ White LWP25 ● Alu LWP29 WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us. ● Red - white engraving LWP21□□□ ● Black - white engraving LWP23□□□ ○ White - black engraving LWP25□□□ ● Alu - black engraving LWP29□□□ PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER...) ○ Transparent LWP27

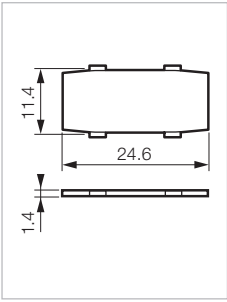
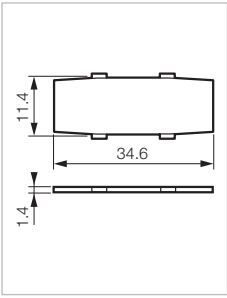
Accessories: ø 22mm

► LEGEND PLATES - FRAMES ONLY

ROUND	Standard model	Part Number
 LWP3	 For use with standard model legend plate inserts ● Black	LWP3
 LWG3	 For use with large model legend plate inserts ● Black	LWG3
 LWP4	 For use with standard model legend plate inserts ● Black	LWP4
 LWP2	 For use with standard model legend plate inserts ● Black	LWP2

Accessories: ø 22mm

► LEGEND PLATES - INSERTS ONLY

TO BE ENGRAVED		Standard model	Part Number
		 2 lines maximum 13 characters per line For use with standard model legend plate frames WITHOUT ENGRAVING ● Red ● Black ○ White ● Alu WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us.	LIA5 LIA1 LIA1 LIA3 LIA5 LIA9
		● Red - white engraving ● Black - white engraving ○ White - black engraving ● Alu - black engraving	LIA1 LIA3 LIA5 LIA9
		PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER...) ○ Transparent	LIA7
TO BE ENGRAVED		Large model	
		 2 lines maximum 18 characters per line For use with large model legend plate frame Without engraving ○ White ● Red ● Alu ● Black WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us.	LIB9 LIB3 LIB5 LIB1 LIB9 LIB3
		○ White - black engraving ● Red - white engraving ● Alu - black engraving ● Black - white engraving	LIB5 LIB1 LIB9 LIB3
		Protective mask for legend plate (paper or other...) ○ Transparent	LIB7

Accessories: ø 22mm

► LEGEND PLATES - EMERGENCY STOP

PLASTIC LEGEND PLATES (27.4mm diameter hole)

Part Number



LWE60300

Plastic - Yellow with black engraving

60mm diameter

Blank
EMERGENCY STOP
EMO
ARRET D'URGENCE
NOT AUS

LWE60
LWE60300
LWE60900
LWE60100
LWE60200

70mm diameter

Blank
EMERGENCY STOP
EMO

LWE70
LWE70300
LWE70900

80mm diameter

Blank
EMERGENCY STOP
EMO

LWE80
LWE80300
LWE80900

NOTES:

- 1) Custom diameters and engravings available please contact us for details.
- 2) Contact us for use with guards on page 88.

METAL LEGEND PLATES (22.4mm diameter hole)



LWE16300

Metal - Yellow with black lettering

60mm diameter (With ISO 13850 symbol and text)

Blank
EMERGENCY STOP + 
ARRET D'URGENCE + 
NOT AUS + 

LWE16
LWE16300
LWE16100
LWE16232

80mm diameter (With ISO 13850 symbol and text)

EMERGENCY STOP + 
ARRET D'URGENCE + 
NOT AUS + 

LWE00300
LWE00100
LWE00232



LWE16352

60mm diameter (Without symbol, text only)

EMERGENCY STOP
ARRET D'URGENCE
NOT AUS

LWE16352
LWE16152
LWE16200

80mm diameter (Without symbol, text only)

EMERGENCY STOP
ARRET D'URGENCE
NOT AUS

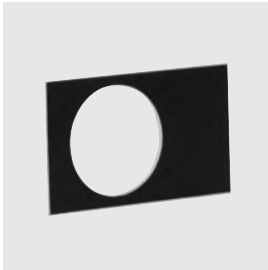
LWE00352
LWE00152
LWE00200

Accessories: ø 22mm

► LEGEND PLATES FOR LBX ENCLOSURES

INDIVIDUAL LEGEND PLATES (27.4mm diameter hole)

Part Number



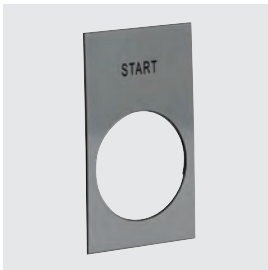
LWB13

Plastic - Rectangular shape

WITHOUT ENGRAVING

- Red
- Black
- Yellow
- White
- Blue
- Alu

LWB11
LWB13
LWB14
LWB15
LWB16
LWB19



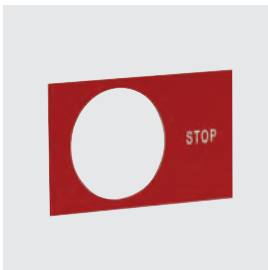
LWB19H301

WITH TEXT (see p. 82 to 85) FOR HORIZONTAL MOUNTING

Code to be added at the end of the part number.
For custom text or symbol please contact us.

- Red - white engraving
- Black - white engraving
- Yellow - black engraving
- White - black engraving
- Blue - white engraving
- Alu - black engraving

LWBH11□□□□
LWBH13□□□□
LWBH14□□□□
LWBH15□□□□
LWBH16□□□□
LWBH19□□□□



LWB11V302

WITH TEXT (see p. 82 to 85) FOR VERTICAL MOUNTING

Code to be added at the end of the part number.
For custom text or symbol please contact us.

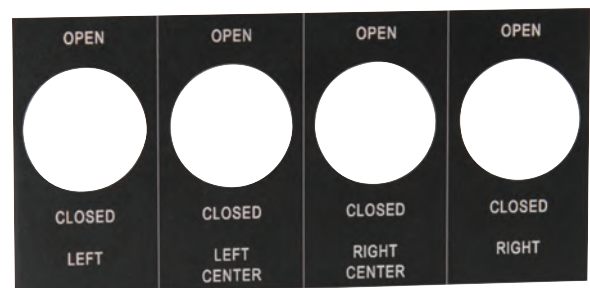
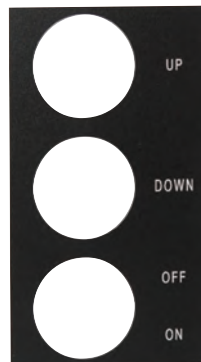
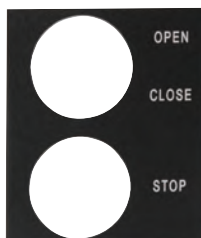
- Red - white engraving
- Black - white engraving
- Yellow - black engraving
- White - black engraving
- Blue - white engraving
- Alu - black engraving

LWBV11□□□□
LWBV13□□□□
LWBV14□□□□
LWBV15□□□□
LWBV16□□□□
LWBV19□□□□

MULTI HOLE LEGEND PLATES

SINGLE PIECE MULTI-HOLE
LEGEND PLATES ARE AVAILABLE

CONTACT US FOR DETAILS.



Engravings

STANDARD TEXT

UNIVERSAL TEXT

0-I	081
I-II	082
I-O-I	091
I-II-III	092
0-I-START	093
0-I-II	094

CUSTOM TEXT AVAILABLE
UPON REQUEST

TEXT	Code	Code	Code
AUTO	402	EXHAUSTER	438
AUTO CUT	403	FAST	310
AUTO HAND	404	FAST OFF SLOW	439
AUTO HAND OFF	405	FAST SLOW	440
AUTO MAN	401	FASTER	441
AUTO MAN OFF	406	FAULT	442
AUTO MANUAL	407	FEED HOLD	443
AUTO O HAND	408	FEED OFF	444
AUTO OFF MAN	409	FEED ON	445
AUTO OFF MANUAL	410	FEED START	446
AUTO RETURN	411	FEED STOP	447
		FEEDER OFF	448
BLOWER	413	FEEDER ON	449
BRAKE	414	FOR	450
		FOR AUTO REV	451
CLAMP	415	FOR O REV	452
CLOSE	314	FOR OFF REV	453
CLOSE CIRCUIT	416	FOR REV	454
CLOSE OPEN	417	FOR STOP REV	455
CONTROL OFF	418	FORWARD	305
CONTROL ON	419	FORWARD AUTO REVERSE	456
CYCLE	420	FORWARD OFF REVERSE	392
CYCLE ON	421	FORWARD REVERSE	457
CYCLE START	422	FORWARD STOP REVERSE	458
CYCLE STOP	423	FULL SPEED	459
		FWD	460
DECREASE	424	FWD AUTO REV	461
DOWN	336	FWD O REV	462
DOWN OFF UP	425	FWD OFF REV	463
DOWN UP	426	FWD REV	464
DRIVE START	427	FWD STOP REV	465
DRIVE STOP	428		
EMERG STOP	429	HAND	466
EMERGENCY	430	HAND AUTO	383
EMERGENCY OFF	431	HAND I AUTO	467
EMERGENCY STOP	300	HAND O AUTO	468
EMERGENCY STOP PULL TO RESET	432	HAND OFF AUTO	391
EMERGENCY STOP TURN TO RESET	433	HAND ON	469
EMERGENCY STOP TWIST TO RESET	434	HAND START	470
EMO	900	HAND STOP	471
ENABLE	435	HEAT	472
ENTER	436	HIGH	473
ERROR	437	HIGH LOW	474
		HIGH OFF LOW	475
		IN	476
		IN OUT	477
		INCH	329
		INCH RETURN	478
		INCH REV	480
		INCH REVERSE	481
		INCH RUN	482
		INCHING	483
		INCREASE	484
		INSPECT	485
		JOG	328
		JOG FOR	486
		JOG FORWARD	487
		JOG FWD	488
		JOG OFF RUN	489
		JOG REV	490
		JOG REVERSE	491
		JOG RUN	492
		JOG SAFE RUN	493
		JOG STOP RUN	494
		LAST STOP	495
		LEFT	311
		LEFT RIGHT	496
		LOC REM	497
		LOCAL OFF REMOTE	393
		LOCAL REMOTE	498
		LOW	499
		LOW HIGH	501
		LOW OFF HIGH	502
		LOW OFF RAISE	503
		LOW SPEED	504
		LOWER	308
		LOWER OFF RAISE	505
		LOWER RAISE	506
		LUBE CYCLE	507
		LUBE FAIL	508

Engravings

► STANDARD TEXT

TEXT	Code	Code	Code
MAN AUTO	509	REV FWD	552
MAN O AUTO	510	REV OFF FOR	553
MAN OFF AUTO	511	REV OFF FWD	554
MANUAL	512	REVERSE	306
MANUAL AUTO	513	REVERSE FORWARD	555
MANUAL OFF AUTO	514	REVERSE OFF FORWARD	556
MOTOR RUN	515	REVERSING	557
MOTOR RUNNING	516	RIGHT	312
MOTOR START	517	RIGHT LEFT	558
MOTOR STOP	518	ROTATE CCW	559
MOTOR STOPPED	519	ROTATE CW	560
		RUN	327
OFF	304	RUN JOG	561
OFF CIRCUIT	520	RUN SAFE JOG	562
OFF COOLANT ON	521	RUNNING	563
OFF LIGHT ON	522		
OFF ON	382	SAFE	564
OFF RUN START	523	SAFE RUN	565
ON	303	SEQ TEST	566
ON CIRCUIT	524	SEQUENCE TEST	567
ON OFF	525	SETUP	568
ON OFF AUTO	526	SETUP RUN	569
ON STOP SAFE	527	SETUP SERVICE	570
OPEN	313	SLOW	309
OPEN CIRCUIT	528	SLOW FAST	571
OPEN CLOSE	529	SLOW OFF FAST	572
OPEN OFF CLOSE	530	SLOW OFF START	573
OUT	531	SLOW SPEED	574
OVERLOAD	532	SLOW STOP FAST	575
OVERLOAD RESET	533	SLOWEST	576
OVERLOAD TRIP	534	SOFT SPEED	577
OVERLOAD TRIPPED	535	SOUND ALARM	578
		SPEED	579
POWER OFF	536	SPINDLE CLOSED	580
POWER ON	330	SPINDLE OPEN	581
PULL TO RESET	537	START	301
PULL TO START	538	START CYCLE	582
PURGE	539	START FEED	583
PUSH TO STOP	540	START JOG	584
PUSH TO STOP PULL TO START	541	START STOP	585
PUSH TO STOP TURN TO START	542	STOP	302
PUSH TO STOP TWIST TO START	543	STOP CYCLE	586
PUSH TO TEST	544	STOP FEED	587
		STOP RESET	588
RAISE	307	STOP START	381
RAISE LOWER	545	SUMMER OFF WINTER	589
RAISE OFF LOWER	546	SUMMER WINTER	590
READY	547	SUPPLY ON	591
RELEASE BRAKE	548	SYSTEM ON	592
RESET	315		
RETURN	549	TEST	593
REV	550	TRANSFER	594
REV FOR	551	TRIP	595
		UNCLAMP	596
		UP	335
		UP DOWN	597
		UP OFF DOWN	598
		WARNING	599

CUSTOM TEXT AVAILABLE
UPON REQUEST

Engravings

STANDARD SYMBOLS ISO/DIN

	Description	Symbol	Code
CUSTOM SYMBOLS AVAILABLE UPON REQUEST	Continuous straight-line movement ISO 1		A01
	Alternating straight-line movement ISO 5		A05
	Continuous rotating movement clockwise ISO 7A - DIN 100		A07
	Continuous rotating mov. anti-clockwise ISO 7B		B07
	Forward ISO 16		A16
	Increase in value ISO 28		A28
	Decrease in value ISO 29		A29
	Adjustable ISO 62		A62
	Clamp, block apply pressure ISO 63A		A63
	Clamp, block apply pressure ISO 63B		B63
	Unclamp, release ISO 64A		A64
	Unclamp, release ISO 64B		B64
	Brake ISO 65		A65
	Release brake ISO 66		A66
	Automatic cycle (or semi-automatic) ISO 67		A67
	Manual control ISO 68		A68
	"ON" close circuit ISO 69		A69
	"STOP" close circuit ISO 70		A70
	ON/OFF close + open circuit ISO 71		A71
	Close circuit manual impulse ISO 72		A72
	Clutch ISO 74 - DIN 46		A74
	De-clutch ISO 75 - DIN 45		A75

Engravings

► STANDARD SYMBOLS ISO/DIN

	Description	Symbol	Code
CUSTOM SYMBOLS AVAILABLE UPON REQUEST	Warning "live" (energized) ISO 92 - DIN 131		A92
	Main switch ISO 94		A94
	Lubrication jet ISO 101		C01
	Machine lighting ISO 102 - DIN 139		C02
	Greasing ISO 107 - DIN 175		C07
	Blow ISO 108 - DIN 263		C08
	Suction ISO 109 - DIN 264		C09
	Sound alarm DIN 155		D01

► ADDITIONAL STANDARD SYMBOLS

	Description	Symbol	Code
CUSTOM SYMBOLS AVAILABLE UPON REQUEST			A01
			B01
			E01
			F01
			A62
			B62
			E62
			F62
			003
			004
			005
			005

Accessories: ø 22mm

► FLUSH PUSHBUTTON CAPS

NON ILLUMINATED

Part Number

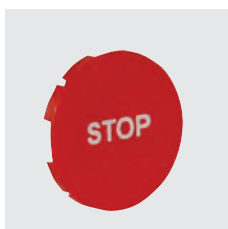


LT05

For use with **L21AA, L22AA, L21CA, and L22CA** operators

WITHOUT TEXT OR SYMBOL

● Red	LT01
● Green	LT02
● Black	LT03
● Yellow	LT04
○ White	LT05
● Blue	LT06



LT21302

WITH TEXT OR SYMBOL (see p. 82 to 85)
Code to be added at the end of the part number.
For custom text or symbol please contact us.

● Red - white lettering	LT21□□□□
● Green - white lettering	LT22□□□□
● Black - white lettering	LT23□□□□
● Yellow - black lettering	LT24□□□□
○ White - black lettering	LT25□□□□
● Blue - white lettering	LT26□□□□

ILLUMINATED



LT20

For use with **L21AH, L22AH, L21CH, and L22CH** operators

WITHOUT TEXT OR SYMBOL

● Red	LT10
● Green	LT20
● Yellow	LT40
○ White	LT50
● Blue	LT60

WITH TEXT OR SYMBOL (see p. 82 to 85)
Code to be added at the end of the part number.
For custom text or symbol please contact us.

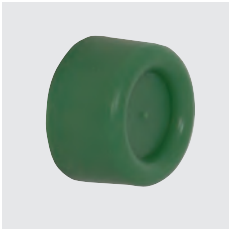


LT34308

● Red - white lettering	LT31□□□□
● Green - white lettering	LT32□□□□
● Yellow - black lettering	LT34□□□□
○ White - black lettering	LT35□□□□
● Blue - white lettering	LT36□□□□

Accessories: ϕ 22mm

► SHROUDS - REINFORCED DEGREE OF PROTECTION: IP 67

FOR FLUSH PUSH-BUTTONS	Flat Shroud	Part Number
 LWA0252	○ Transparent	LWA0255
	● Red	LWA0251
	● Green	LWA0252
	● Black	LWA0253
FOR FLUSH OR PROJECTED PUSH-BUTTONS	Domed Shroud	
 LWA0203	○ Transparent	LWA0228
	● Red	LWA0203
	● Green	LWA0204
	● Black	LWA0205
FOR TWIN TOUCH OR TRIPLE TOUCH OPERATORS		
 LWA0223	For twin touch flush-projecting or triple touch ○ Transparent	LWA0223

Accessories: ø 22mm

MISCELLANEOUS

FIXING TOOL

Part Number



LWA0234

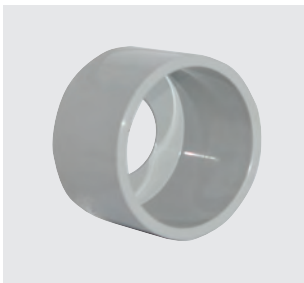
Fixing tool for locking ring - 22mm only

LWA0234

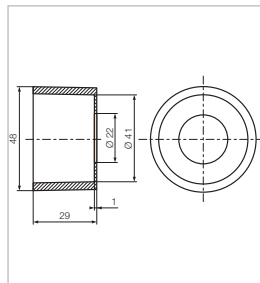
Fixing tool for locking ring - 22mm & 30mm

WA0210

GUARD



LWA0225



For spring return button and spring return mushroom head
(max. ø 40)

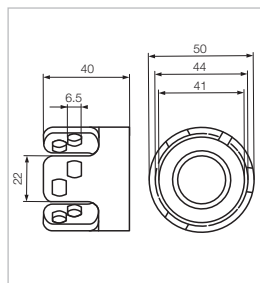
● Grey

LWA0225

PADLOCKABLE GUARD



LWA0240



For maintained mushroom head

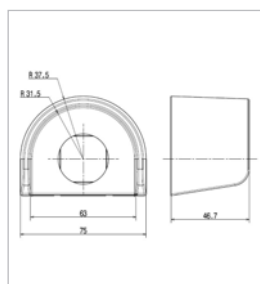
● Yellow

LWA0240

HALF GUARD RING



LWA0242



For maintained mushroom head

● Yellow

LWA0242

Accessories: ø 22mm

► MISCELLANEOUS

REPLACEMENT KEYS

Part Number



455 / 1424A

Replacement keys (set of 2) - key profile 455

455

Replacement keys (set of 2) - key profile 1424A

1424A

ANTI-ROTATION CLAW PLATE



LWA0237

Metal claw plate

LWA0237

ANTI-ROTATION RING



LWA209

Plastic anti rotation ring - 22mm

LWA0209

LOCKING NUT



04006305

Plastic locking nut for 22mm operators

04006305

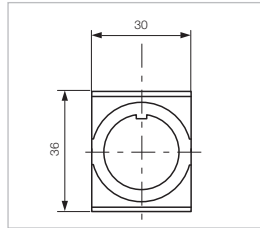
► MISCELLANEOUS

SQUARE FRAME

Part Number



LWA0230



For turning a round shape button or a pilot light into a square shape

● Black

LWA0230

MOUNTING HOLE REDUCTION RING (Ø 30mm to 22mm)



LWA0219

Converts Ø 30 mm panel cut-out to 22 mm hole

● Grey
● Yellow

LWA0219
LWA0220

PUSH BUTTON SUPPORT CLIP-ON TO DIN RAIL

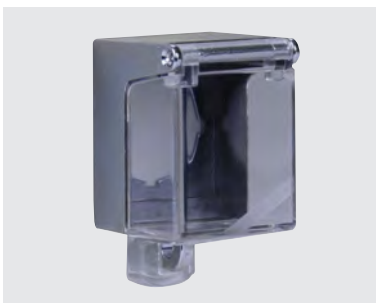


LWA0238

For pilot lights, spring return buttons and selector switches

LWA0238

PADLOCKABLE SHROUD



LWA0226

Only for: Flush pushbuttons
Projected pushbuttons
Selector switches (not lever handle or key)

LWA0226

MISCELLANEOUS

SCREWDRIVER - FOR PLUG IN TERMINAL BLOCKS



2.5mm (.098") flat head screwdriver
for use with plug in terminal blocks

45040

45040

BLANKING PLUG

Part Number



LWA0229

- Black
- Grey

LWA0229
LWA0215

TERMINAL FOR LBX ENCLOSURES (GROUND OR NEUTRAL)



LWA0216

For control station
Base mounted

LWA0216

CABLE GLANDS



M20-BK



PG16-GY

	Size	Cable Thickness	
● Black	M20	6mm - 12mm	M20-BK
● Grey	PG11	3mm - 7mm	PG11-GY
● Grey	PG13.5	6mm - 12mm	PG13-GY
● Grey	PG16	10mm - 14mm	PG16-GY
● Grey	PG21	13mm - 18mm	PG21-GY
● Grey	PG29	18mm - 25mm	PG29-GY

Din-Rail Assemblies ø 22

► NON ILLUMINATED

 Technical Info (p.106)

SPRING RETURN - FLUSH

Part Number



LWA0238-101

Marking					
● Green	NO		START		LWA0238-101
● Red	NC		STOP		LWA0238-104

SELECTOR SWITCH - WITH HANDLE



LWA0238-401

Marking					
● Black	NO		OFF ON		LWA0238-401

SELECTOR SWITCH - WITH KEY



LWA0238-402

Marking					
● Black	NO		OFF ON		LWA0238-402

MUSHROOM HEAD Ø 40 - MAINTAINED

Push-turn to reset



LWA0238-301

Marking					
● Red	NC		EMERGENCY STOP		LWA0238-301

Control Stations

solutions....



► ADVANTAGES

"All types of control station applications can be achieved"

- Multipurpose, pre-equipped with pushbuttons, emergency stops, selector switches, key switches, etc.
- Enclosures for custom assembly 1,2,3,4 or 5 holes
- Up to 3 blocks per position
- Innovative design

Control Stations ø 22

► CONTROL STATIONS - NON-ILLUMINATED

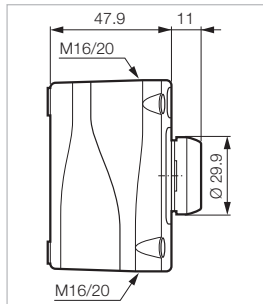
 Technical Info (p.106)

SPRING RETURN - FLUSH

Part Number



LBX10110



● Green
● Red

NO
NC



Marking

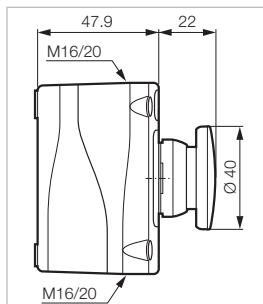


LBX10110
LBX10610

MUSHROOM HEAD ø 40 - SPRING RETURN

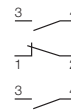


LBX10210



● Green
● Red
● Red

NO
NC
NO



Marking

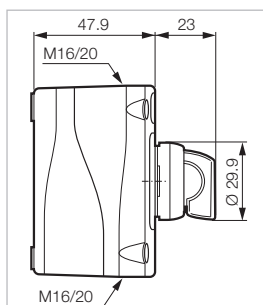


LBX107210
LBX10210
LBX130028

SELECTOR SWITCH - WITH HANDLE



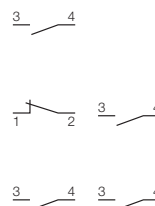
LBX12510



2 Maintained positions - 90°

● Black
● Black
● Black

NO
NC + NO
2 NO



Marking

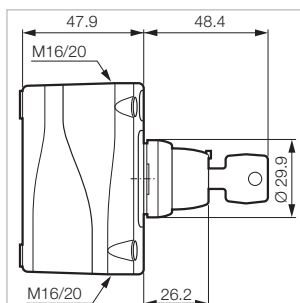


LBX12510
LBX12511
LBX12520

SELECTOR SWITCH - WITH KEY



LBX12610



Supplied with 2 keys profile n° 455

2 Maintained positions - 90°
Key free in position 0-1

● Black

NO



Marking



LBX12610

Control Stations ø 22

► CONTROL STATIONS - NON-ILLUMINATED



Technical Info (p. 106)

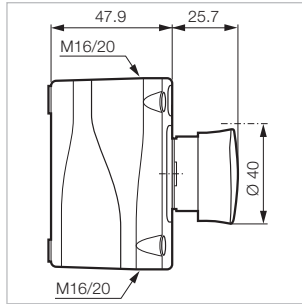
MUSHROOM HEAD ø 40 - MAINTAINED

Push-turn to reset

Part Number



LBX10510



• Red	NC		EMERGENCY STOP
• Red	NC + NO		EMERGENCY STOP
• Red	2 NC		EMERGENCY STOP
• Red	NO		EMERGENCY STOP

LBX10510
LBX130006
LBX130005
LBX130007

WITH STOP STOP STOP TEXT ON BUTTON HEAD

• Red	NC		EMERGENCY STOP
• Red	NC + NO		EMERGENCY STOP
• Red	2 NC		EMERGENCY STOP

LBX10510S
LBX130010
LBX130009

For contact blocks attached to operator please contact us.



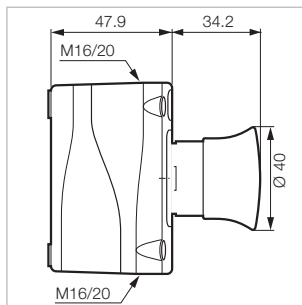
LBX130009

MUSHROOM HEAD ø 40 - MAINTAINED

Push-pull to reset



LBX101910



• Red	NC		EMERGENCY STOP
• Red	NC + NO		EMERGENCY STOP
• Red	2 NC		EMERGENCY STOP

LBX101910
LBX130004
LBX130003

WITH STOP STOP STOP TEXT ON BUTTON HEAD

• Red	NC		EMERGENCY STOP
• Red	NC + NO		EMERGENCY STOP
• Red	2 NC		EMERGENCY STOP

LBX101910S
LBX130074
LBX130075

For contact blocks attached to operator please contact us.



LBX101910S

Control Stations ø 22

► CONTROL STATIONS - NON-ILLUMINATED

 Technical Info (p.106)

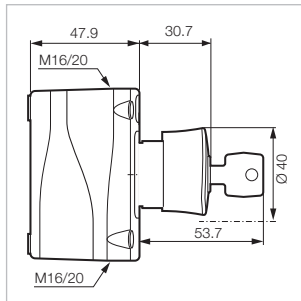
MUSHROOM HEAD ø 40 - MAINTAINED

Key to reset

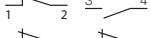
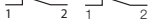
Part Number



LBX11210



Supplied with 2 keys profile n° 455

● Red	NC		EMERGENCY STOP	LBX11210
● Red	NC + NO		EMERGENCY STOP	LBX130071
● Red	2 NC		EMERGENCY STOP	LBX130072

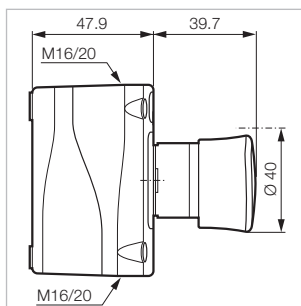
For contact blocks attached to operator please contact us.

MUSHROOM HEAD ø 40 ISO 13850

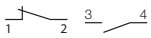
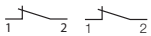
Push-turn to reset



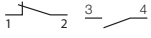
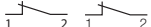
LBX17301



Compliant with the requirements of emergency stop:
ISO 13850

● Red	NC		EMERGENCY STOP + 	LBX17301
● Red	NC + NO		EMERGENCY STOP + 	LBX17311
● Red	2 NC		EMERGENCY STOP + 	LBX17302

WITH EN13850 SYMBOL ON BUTTON HEAD

● Red	NC		EMERGENCY STOP	LBX130065
● Red	NC + NO		EMERGENCY STOP	LBX130057
● Red	2 NC		EMERGENCY STOP	LBX130066

WITH EMO TEXT ON BUTTON HEAD (WITHOUT EMERGENCY STOP ON ENCLOSURE)

● Red	NC			LBX130067
● Red	NC + NO			LBX130068
● Red	2 NC			LBX130069

For contact blocks attached to operator please contact us.



LBX130057



LBX130069

Control Stations ø 22

► CONTROL STATIONS - NON-ILLUMINATED



Technical Info (p. 106)

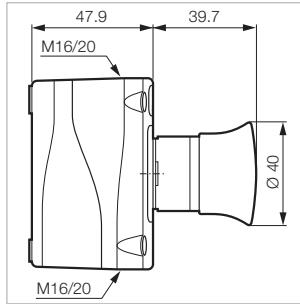
MUSHROOM HEAD ø 40 ISO 13850

Push-pull to reset

Part Number



LBX15301



Compliant with the requirements of emergency stop:
ISO 13850

• Red	NC		EMERGENCY STOP +	LBX15301
• Red	NC + NO		EMERGENCY STOP +	LBX15311
• Red	2 NC		EMERGENCY STOP +	LBX15302

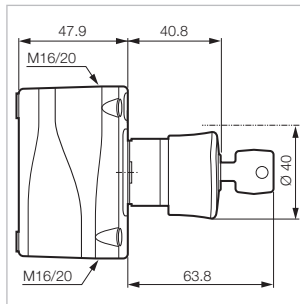
For contact blocks attached to operator please contact us.

MUSHROOM HEAD ø 40 ISO 13850

Key to reset



LBX11302



Compliant with the requirements of emergency stop:
ISO 13850
Supplied with 2 keys profile n° 455

• Red	NC		EMERGENCY STOP +	LBX11301
• Red	NC + NO		EMERGENCY STOP +	LBX11311
• Red	2 NC		EMERGENCY STOP +	LBX11302

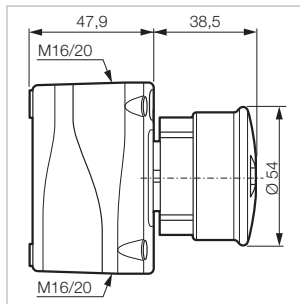
For contact blocks attached to operator please contact us.

MUSHROOM HEAD ø 54 ISO 13850

Push-pull to reset with flag indicator



LBX14201



Compliant with the requirements of emergency stop:
ISO 13850
Double position indicator: head and collar

• Red	NC		-	LBX14101
• Red	NC + NO		-	LBX14111
• Red	2 NC		-	LBX14102

• Red	NC		STOP -	LBX14201
• Red	NC + NO		STOP -	LBX14211
• Red	2 NC		STOP -	LBX14202

For contact blocks attached to operator please contact us.

Control Stations ø 22

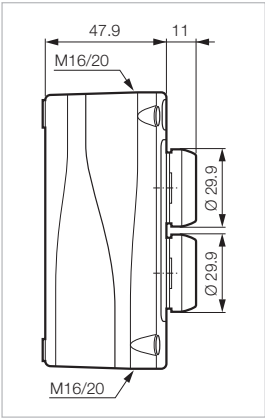
▶ CONTROL STATIONS - NON-ILLUMINATED

 Technical Info (p.106)

SPRING RETURN - FLUSH	Part Number
-----------------------	-------------



LBX20120



- Green
- Red

NO
NC



Marking

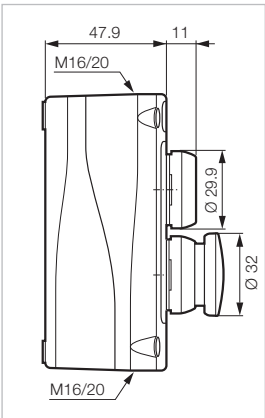


LBX20120

SPRING RETURN - FLUSH/MUSHROOM	Marking
--------------------------------	---------



LBX210660



- Green
- Red

NO
NC

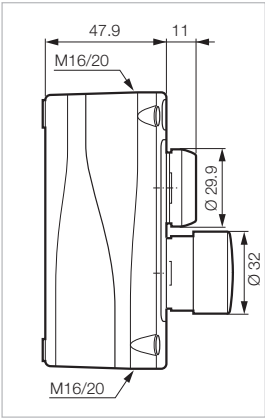


LBX210660

SPRING RETURN/MAINTAINED - FLUSH/MUSHROOM (PUSH-TURN)



LBX210770



- Green
- Red

NO
NC



Marking



LBX210770

Control Stations ø 22

► CONTROL STATIONS - NON-ILLUMINATED



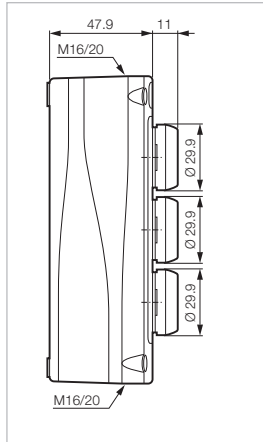
Technical Info (p. 106)

SPRING RETURN - FLUSH

Part Number



LBX323870



● Red 24VAC/DC Pilot Light
 ● Green NO
 ● Red NC



Marking



LBX30008

● Red 130VAC Pilot Light
 ● Green NO
 ● Red NC



Marking



LBX323870

● Red 230VAC Pilot Light
 ● Green NO
 ● Red NC



Marking

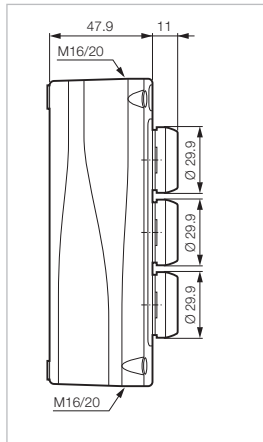


LBX324110

SPRING RETURN - FLUSH



LBX30430



● Green NO
 ● Red NC
 ● Green NO



Marking

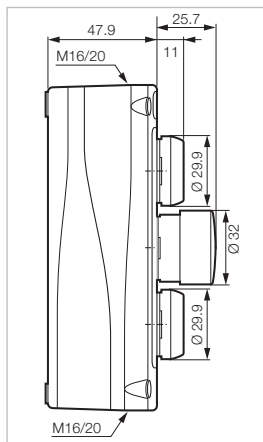


LBX30430

SPRING RETURN /MAINTAINED - FLUSH/MUSHROOM (PUSH-TURN)



LBX308830



● Green NO
 ● Red NC
 ● Green NO



Marking



LBX308830

Control Stations ø 22

► EMPTY ENCLOSURES



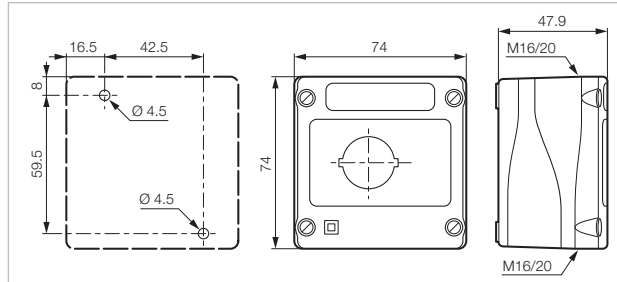
Technical Info (p. 106)

1 HOLE

Part Number



LBX0100J



Black base

- Grey cover
- Yellow cover
- Yellow cover*
- Yellow cover**
- Black cover
- Red cover

LBX0100
LBX0100J
LBX0100JB
LBX130167
LBX0100NR
LBX0100RN

* WITH 'EMERGENCY STOP' TEXT

* WITH IEC 60417-5438 / ISO 13850 SYMBOL

Red base

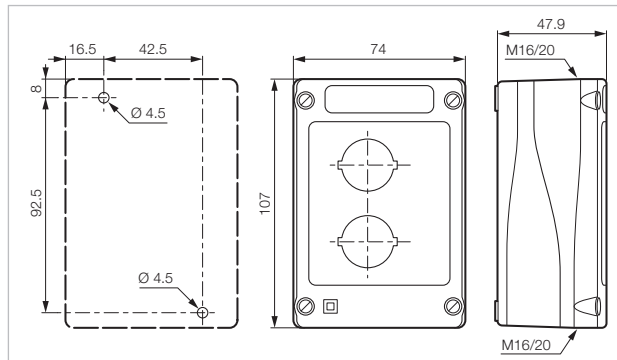
- Red cover

LBX0100RG

2 HOLES



LBX0200



Black base

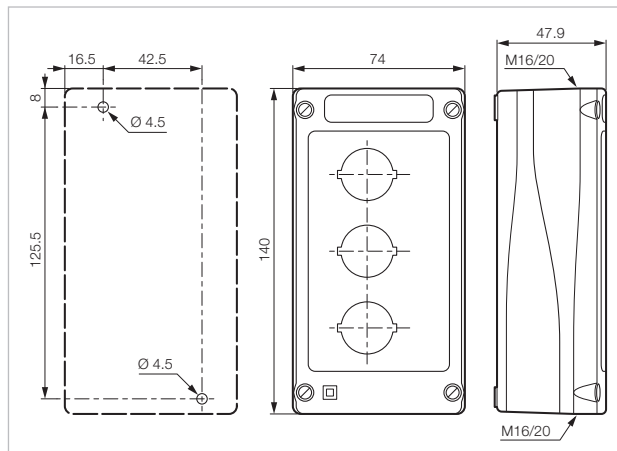
- Grey cover
- Yellow cover

LBX0200
LBX0200J

3 HOLES



LBX0300



Black base

- Grey cover

LBX0300

Control Stations ø 22

► EMPTY ENCLOSURES

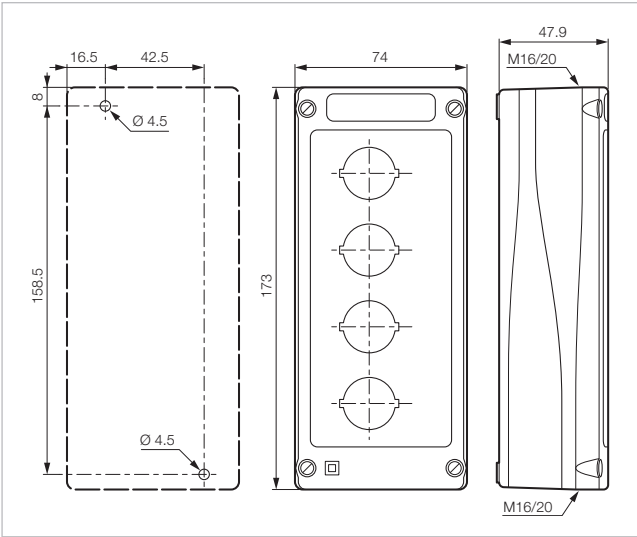
 Technical Info (p. 106)

4 HOLES

Part Number



LBX0400



Black base

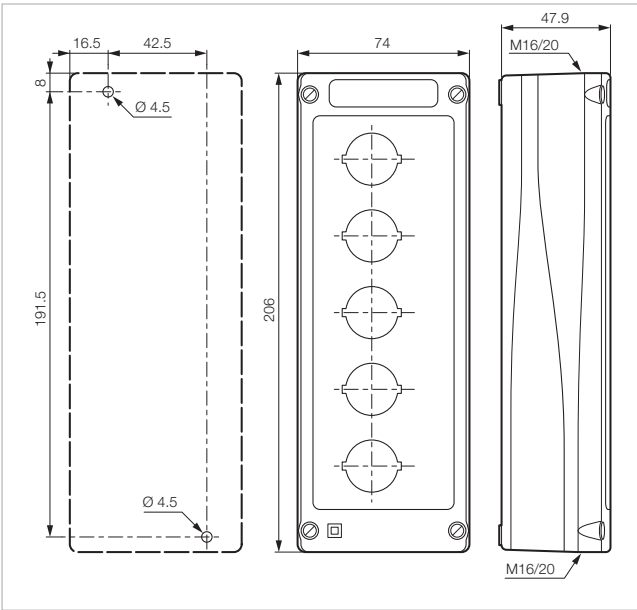
● Grey cover

LBX0400

5 HOLES



LBX0500



Black base

● Grey cover

LBX0500

CABLE GLAND FOR LBX ENCLOSURES



M20-BK

	Size	Cable Thickness	
● Black	M20	6mm - 12mm	M20-BK

LBX ENCLOSURE SPECIAL REQUEST FORM

MOUNTING NUMBER OF HOLES	CABLE GLAND	COMMENTS
circle number of holes 12345 Vertical Horizontal	Top Bottom Vertical Horizontal Left Right	

DUTY LABEL MARKING (contact us for details)	BLOCKS	SWITCHES	LEGEND PLATES	ENCLOSURE MARKING
--	--------	----------	------------------	----------------------

Enter contact block part number in each mounting position. LED modules must be in position 3.

2

3

1

Enter switch part number for each position. For text or symbol on the switch head enter text or symbol code.

Switch Part Number:

Text or Symbol code:

Enter legend plate part number for each position. See page 101 for available legend plates. For text or symbol on the legend plate enter text or symbol code.

Legend Plate Part number:

Text or Symbol code:

For silk-screened text or symbol directly on the enclosure enter text or symbol code.

Text or Symbol code:

2

3

1

Switch Part Number:

Text or Symbol code:

Legend Plate Part number:

Text or Symbol code:

Text or Symbol code:

2

3

1

Switch Part Number:

Text or Symbol code:

Legend Plate Part number:

Text or Symbol code:

Text or Symbol code:

2

3

1

Switch Part Number:

Text or Symbol code:

Legend Plate Part number:

Text or Symbol code:

Text or Symbol code:

2

3

1

Switch Part Number:

Text or Symbol code:

Legend Plate Part number:

Text or Symbol code:

Text or Symbol code:

2

3

1

Switch Part Number:

Text or Symbol code:

Legend Plate Part number:

Text or Symbol code:

Text or Symbol code:

See pages 80 to 83 for available text and symbol options. For custom text or symbols please contact us.

Control Stations ø 22

► CONTROL STATIONS - MUSHROOM BUTTONS WITH GUARDS



Technical Info (p. 106)

MUSHROOM HEAD Ø 40	Push-pull to reset	No Guard Part Number	Padlockable Guard Part Number	Half Guard Part Number
				
LSS15301				
				
LSS15301G				
	• Red NC • Red NC + NO • Red 2 NC	LSS15301 LSS15311 LSS15302	LSS15301G LSS15311G LSS15302G	LSS15301G2 LSS15311G2 LSS15302G2

MUSHROOM HEAD Ø 40	Push-turn to reset			
				
LSS17301				
				
LSS17301G2				
	• Red NC • Red NC + NO • Red 2 NC	LSS17301 LSS17311 LSS17302	LSS17301G LSS17311G LSS17302G	LSS17301G2 LSS17311G2 LSS17302G2

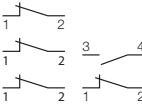
MUSHROOM HEAD Ø 40	Push-key to reset			
				
LSS11301G				
				
LSS11301G2				
	• Red NC • Red NC + NO • Red 2 NC	LSS11301 LSS11311 LSS11302	LSS11301G LSS11311G LSS11302G	LSS11301G2 LSS11311G2 LSS11302G2

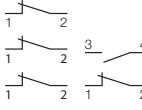
Control Stations ø 22

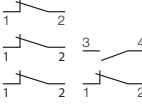
► CONTROL STATIONS - EMERGENCY STOPS WITH GUARDS



Technical Info (p. 106)

MUSHROOM HEAD Ø 40		Push-pull to reset	Padlockable Guard Part Number	Half Guard Part Number
		- Red NC - Red NC + NO - Red 2 NC 	LBPA15301G LBPA15311G LBPA15302G	LBPA15301G2 LBPA15311G2 LBPA15302G2
LBX15301	LBX15301			

MUSHROOM HEAD Ø 40		Push-turn to reset		
		- Red NC - Red NC + NO - Red 2 NC 	LBPA17301G LBPA17311G LBPA17302G	LBPA17301G2 LBPA17311G2 LBPA17302G2
LBX17301	LBX17301			

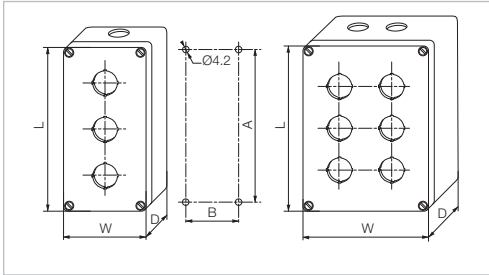
MUSHROOM HEAD Ø 40		Push-key to reset		
		- Red NC - Red NC + NO - Red 2 NC 	LBPA11301G LBPA11311G LBPA11302G	LBPA11301G2 LBPA11311G2 LBPA11302G2
LBX17301	LBX17301			

Control Stations ø 22

► PRE-DRILLED POLYCARBONATE ENCLOSURES



BPA202



Number of Holes	Cable Gland Hole Entries	Dimensions (mm)					Part Number
		L	W	D	A	B	
1	1 x PG13-GY	82	80	55	70	50	BPA201
2	1 x PG13-GY	120	80	55	108	50	BPA202
3	1 x PG13-GY	160	80	55	148	50	BPA203
1	1 x PG16-GY	82	80	85	70	50	BPP201
2	1 x PG16-GY	120	80	85	108	50	BPP202
3	1 x PG16-GY	160	80	85	148	50	BPP203
4	2 x PG16-GY	122	120	85	110	90	BPP204
6	2 x PG16-GY	200	120	75	188	90	BPA206
8	2 x PG16-GY	200	120	75	188	90	BPA208
10	2 x PG16-GY	240	120	100	288	90	BPP210

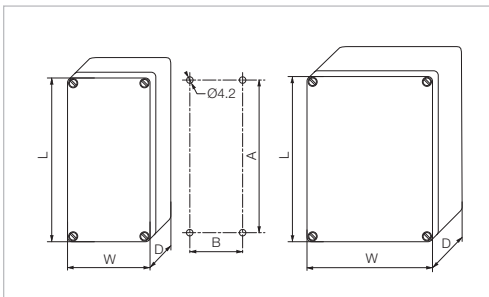
► EMPTY POLYCARBONATE ENCLOSURES



BNT220



BNT251



	Dimensions (mm)					Part Number
	L	W	D	A	B	
	65	50	35	53	38	BNT206
	82	80	55	70	50	BNT210
	82	80	85	70	50	BNT225
	120	80	55	108	50	BNT215
	120	80	85	108	50	BNT226
	122	120	55	110	90	BNT217
	122	120	85	110	90	BNT227
	160	80	55	148	50	BNT220
	160	80	85	148	50	BNT231
	200	120	75	188	90	BNT237
	200	150	75	188	119	BNT223
	240	120	100	228	90	BNT242
	240	160	120	228	130	BNT243
	250	160	90	238	130	BNT240

CABLE GLANDS



PG16-GY

	Size	Cable Thickness	Part Number
● Grey	PG11	3mm - 7mm	PG11-GY
● Grey	PG13.5	6mm - 12mm	PG13-GY
● Grey	PG16	10mm - 14mm	PG16-GY
● Grey	PG21	13mm - 18mm	PG21-GY
● Grey	PG29	18mm - 25mm	PG29-GY

Technical Specifications

► GENERAL

Characteristics	Data	Standards
► Storage temperature	- 40 °C to + 70 °C	
► Operating temperature	- 25 °C to + 70 °C	
► Climatic resistance	Constant humid heat Cyclic damp heat Resistance to sea air	IEC 60068-2-3 IEC 60068-2-30 IEC 60068-2-52
► Degree of protection	IP 65 for adjustable mechanical actuators IP 65 for USB interface IP 66 for standard heads IP 67 for shrouded heads IP 66 for equipped control stations IP 69 and IP 69k for pushbuttons (except twin/triple touch) IP 69 and IP 69k for selector switches IP 69 and IP 69k for pilot lights IP 69 and IP 69k for emergency stops IP 69 and IP 69k for audible warning buzzers IP20 at the rear of the panel for contact blocks and one piece pilot lights Type 1, 2, 3, 3R, 3S, 4, 4X, 12, and 13 for heads and control stations	IEC 60529 IEC 60529 IEC 60529 IEC 60529 IEC 60529 IEC 60529 - ISO 20653 IEC 60529 - ISO 20653 IEC 60529 - ISO 20653 IEC 60529 - ISO 20653 IEC 60529 - ISO 20653 NEMA standard
z		
► Protection against mechanical impacts	IK 05 illuminated and non-illuminated heads IK 07 empty control station	IEC 62262
► Electrical insulation	Class II - heads and control station	IEC 60947-5-1
► Terminal marking		IEC 60947-1
► Tightening torques	Locking ring: recommended 3 N.m or tightened with the fixing tool to hand tight after pressure point plus another half turn. terminals: max. 1.2 N.m	
► Approvals	UL United states and Canada BV Bureau Véritas Certification OC/CB	UL 508, CSA 22.2 Marine rules IEC 60947-5-1 IEC 60947-5-5 IEC 60947-5-4
► Vibrations	withstand vibration Fc test: 2 to 25 Hz, 1.6 mm; 25-100 Hz, 4 g	IEC 60068-2-6

Technical Specifications

► HEADS

Characteristics	Data
► Mechanical endurance	Spring return: 5,000,000 Push-push: 500,000 Selector switches: 300,000 Mushroom head maintained function ISO 13850: 100,000 Mushroom head maintained function: 150,000
► Activation force in N	Spring return + NO: 6.5 Spring return + NC: 4.5 Additional NO contact: 4.5 Additional NC contact: 3.0 Push-pull mushroom head + NO + NC: 27 Push-turn mushroom head + NO + NC: 22 Push-pull mushroom head EN 418 + NO + NC: 37 Push-turn mushroom head EN 418 + NO + NC: 60
► Activation force in Nm	Selector switch + NO: 0.04 Additional NO contact: 0.03

► EMERGENCY STOP ACTUATORS - ISO 13850:

According to IEC60947-5-5, the emergency stop function can be provided by an ISO13850 mushroom head combined with a "positive opening" NC contact block.

The mechanism of our ISO13850 mushroom heads is so designed that a "push" action of sufficient force to open the contact systematically triggers an irreversible locking of this opening. This generates an "emergency stop" signal which can be cancelled only by deliberate manual resetting of the mushroom head (pull, turn or unlocking by key).

This function allows the generation of an "emergency stop" signal for any equipment subject to directive 98/37CE (machinery safety) completed by the IEC 60204-1 standard.

The ISO13850 mushroom heads also comply with the safety requirements detailed in standard ISO13850.

Technical Specifications

► CONTACT BLOCKS

Screw and plug-in connection characteristics	Data		Standards																																							
▶ Rated insulation voltage	690 V AC 600 V AC		IEC/EN 60947-1 UL 508																																							
▶ NC contacts	Positive opening		IEC/EN 60947-5-1																																							
▶ Rated impulse voltage Uimp Pollution degree	6kV 3																																									
▶ Conventional thermal current in free air conditions	AC15: 10 A DC13: 2.5 A		IEC 60947-5-1																																							
▶ Electrical ratings	Alternating current AC15 - A 600 Ue = 120 V, Ie = 6 A Ue = 240 V, Ie = 3 A Ue = 380 V, Ie = 1.9 A Ue = 480 V, Ie = 1.5 A Ue = 500 V, Ie = 1.4 A Ue = 600 V, Ie = 1.2 A Minimum operating current - standard blocks Ue = 24 V DC and Ie = 5 mA Failure rate < 10 ⁻⁸ UL508 Alternating Current 50/60Hz - A600 Continuous Current - 10 amps Rated Voltage - 600Vac	Direct current DC13 - Q 600 Ue = 125 V, Ie = 0.55 A Ue = 250 V, Ie = 0.27 A Ue = 400 V, Ie = 0.15 A Ue = 500 V, Ie = 0.13 A Ue = 600 V, Ie = 0.1 A - gold plated contacts Ue = 5 V DC and Ie = 1 mA Failure rate < 10 ⁻⁸ Direct Current - Q600 Continuous Current - 2.5 amps Rated Voltage - 600Vdc	IEC 60947-5-1																																							
	<table><tr><td></td><td>Max. Amps</td><td>Max. Amps</td></tr><tr><td>Voltage</td><td>Make</td><td>Break</td></tr><tr><td>72</td><td>60</td><td>10</td></tr><tr><td>120</td><td>60</td><td>6.0</td></tr><tr><td>240</td><td>30</td><td>3.0</td></tr><tr><td>480</td><td>15</td><td>1.5</td></tr><tr><td>600</td><td>12</td><td>1.2</td></tr></table>		Max. Amps	Max. Amps	Voltage	Make	Break	72	60	10	120	60	6.0	240	30	3.0	480	15	1.5	600	12	1.2	<table><tr><td></td><td>Max. Amps</td><td>Max. Amps</td></tr><tr><td>Voltage</td><td>Make</td><td>Break</td></tr><tr><td>24</td><td>2.5</td><td>2.5</td></tr><tr><td>125</td><td>0.55</td><td>0.55</td></tr><tr><td>250</td><td>0.27</td><td>0.27</td></tr><tr><td>301-600</td><td>0.10</td><td>0.10</td></tr></table>		Max. Amps	Max. Amps	Voltage	Make	Break	24	2.5	2.5	125	0.55	0.55	250	0.27	0.27	301-600	0.10	0.10	
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▶ Electrical operating life	1 million cycles for: - AC15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1.5 A - DC13 - R 300 Ue = 125 V, Ie = 0.22 A Ue = 250 V, Ie = 0.1 A																																									
▶ Applicable wire sizes	Rigid or flexible wire without ferrule: 0.5 mm ² to 2 x 2.5 mm ² Rigid or flexible wire with ferrule: 0.5 mm ² to 2 x 1.5 mm ²																																									

Technical Specifications

► CONTACT BLOCKS

Faston connection	Data		Standards																														
▶ Rated insulation voltage	320 V AC 300 V AC		IEC/EN60947-1 UL 508																														
▶ NC contacts	Positive opening		IEC/EN 60947-5-1																														
▶ Rated impulse voltage Uimp Pollution degree	6 kV 3																																
▶ Conventional thermal current in free air conditions	AC 15: 10 A DC 13: 2.5 A		IEC 60947-5-1																														
▶ Electrical ratings	Alternating current AC15 - A 300 Ue = 120 V, Ie = 6 A Ue = 240 V, Ie = 3 A Minimum current of use Ue = 24 V DC and Ie = 5 mA Failure rate < 10 ⁻⁸ UL508 Alternating Current 50/60Hz - A300 Continuous Current - 10 amps Rated Voltage - 300Vac	Direct current DC13 - Q 300 Ue = 125 V, Ie = 0.55 A Ue = 250 V, Ie = 0.27 A <table><tr><td></td><td>Max. Amps</td><td>Max. Amps</td><td></td><td>Max. Amps</td><td>Max. Amps</td></tr><tr><td>Voltage</td><td>Make</td><td>Break</td><td>Voltage</td><td>Make</td><td>Break</td></tr><tr><td>72</td><td>60</td><td>10</td><td>24</td><td>2.5</td><td>2.5</td></tr><tr><td>120</td><td>60</td><td>6.0</td><td>125</td><td>0.55</td><td>0.55</td></tr><tr><td>240</td><td>30</td><td>3.0</td><td>250</td><td>0.27</td><td>0.27</td></tr></table>		Max. Amps	Max. Amps		Max. Amps	Max. Amps	Voltage	Make	Break	Voltage	Make	Break	72	60	10	24	2.5	2.5	120	60	6.0	125	0.55	0.55	240	30	3.0	250	0.27	0.27	IEC 60947-5-1
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▶ Electrical operating life	1 million cycles for: - AC15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1.5 A - DC13 - R 300 Ue = 125 V, Ie = 0.22 A Ue = 250 V, Ie = 0.1 A																																
▶ Faston size	6.35 mm (0.25") or 2 x 2.8 mm (0.110")																																

Technical Specifications

► CONTACT BLOCKS

Pin-style connection (for PCB)	Data		Standards																														
▶ Rated insulation voltage	250 V AC 250 V AC		IEC/EN60947-1 UL 508																														
▶ NC contacts	Positive opening		IEC/EN 60947-5-1																														
▶ Rated impulse voltage Uimp Pollution degree	4 kV 3																																
▶ Conventional thermal current in free air conditions	AC 15: 5 A DC 13: 1 A		IEC 60947-5-1																														
▶ Electrical ratings	Alternating current AC 15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1.5 A	Direct current DC13 - R 300 Ue = 125 V, Ie = 0.22 A Ue = 250 V, Ie = 0.1 A	IEC 60947-5-1 IEC 60947-5-4																														
	Minimum current of use - standard blocks Ue = 24 V DC and Ie = 5 mA Failure rate < 10 ⁻⁸	- gold plated contacts Ue = 5 V DC and Ie = 1 mA Failure rate < 10 ⁻⁸																															
	UL508																																
	Alternating Current 50/60Hz - B300 Continuous Current - 5 amps Rated Voltage - 300Vac	Direct Current - R300 Continuous Current - 1 amp Rated Voltage - 300Vdc																															
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▶ Pin diameter	ø 1 mm																																

Technical Specifications

▶ LED BLOCKS FOR ILLUMINATED HEADS

Characteristics	Data	Standards
▶ Rated insulation voltage	300 V	IEC/EN 60947-5-1
▶ Rated impulse voltage Uimp Pollution degree	4 kV (with filter block see p. 70) 3	IEC/EN 60947-1
▶ Operating voltage	12 to 24 V AC/DC 48 V AC/DC (for LED block) 130 V AC 230 V AC	
▶ Frequency	50 or 60 Hz	
▶ Lifetime at rated supply voltage	Red and yellow: 100 000 hours at 25 °C Other colors: 50 000 hours at 25 °C	
▶ Consumption of LED blocks	Voltage:	- 24 V: 25 mA ± 20% - 48 V: 15 mA ± 5% - 130 V: 20 mA ± 10% - 230 V: 16 mA ± 30%

▶ ONE PIECE PILOT LIGHT WITH INTEGRATED LED

Characteristics	Data	Standards
▶ Rated insulation voltage	300 V	IEC 60947-5-1
▶ Rated impulse withstand voltage Uimp	4 kV	IEC/EN 60947-1
▶ Bulb rating	400 V max. - 2.6 W max. 240 V max. - 2.6 W max.	IEC 60947-5-1 UL 508
▶ Lifetime at rated supply voltage	Red: 100 000 hours at 25 °C Other colors: 50 000 hours at 25 °C	

Technical Specifications

► USB INTERFACE 3.0

Characteristics	Data	Standards
► Rated insulation voltage	5 V AC/DC	IEC 60947-5-1
► Rated Current	1.8 A	IEC 60947-5-1
► Insulation resistance	$\geq 100\text{ M}$	
► Contact resistance	$\leq 30\text{ m}$	
► USB Class	3.0 (backward compatible with USB class 2.0)	
► Data Transmission	5 Gbps (625 MB/sec)	
► Recommended Fixing Tool	Tightening flat wrench size 26mm	

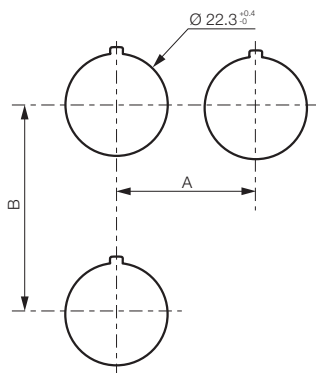
► AUDIBLE WARNING BUZZERS

Characteristics	Data	Standards
► Supply Voltage	18 to 30 V AC/DC 85 to 140 V AC/DC 185 to 265 V AC/DC	IEC 60947-5-1
► Rated impulse voltage Uimp	4 KV	IEC 60947-5-1
► Sound Power	80 dB @ 10cm	
► Frequency	50 or 60 Hz	
► Maximum power consumption	$\leq 20\text{ mA}$	
► Lifetime at rated supply voltage	30,000 hours (continuously powered)	
► Recommended Fixing Tool	Tightening flat wrench size 26mm	
► Wiring Connections	Pulse Tone - Wire terminals 1 and C Continuous Tone - Wire terminals 3 and C	

Technical Specifications

PANEL CUT-OUT

DRILLING

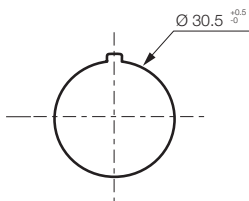


For heads equipped with electrical blocks with screw or plug-in terminals

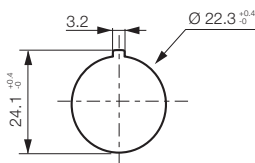
Minimum interval (mm)

A	= 30	With or without legend (usual case)
	= 33	IP 67 (silicon shroud)
	= 40	With large legend plate
	> 40	For mushroom head Ø 40
	> 45	For selector switch with long handle
B	= 38	For super-flush button
	= 50	With 5 position clip
	= 45	With or without legend plate (usual case)
	= 54	With double touch
	= 77	With double touch + legend plate
	= 50	Joystick

DRILLING FOR SUPER-FLUSH BUTTON

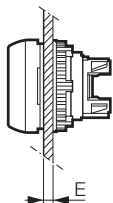


DRILLING WHEN USING THE ANTI-ROTATION RING (OPTIONAL)



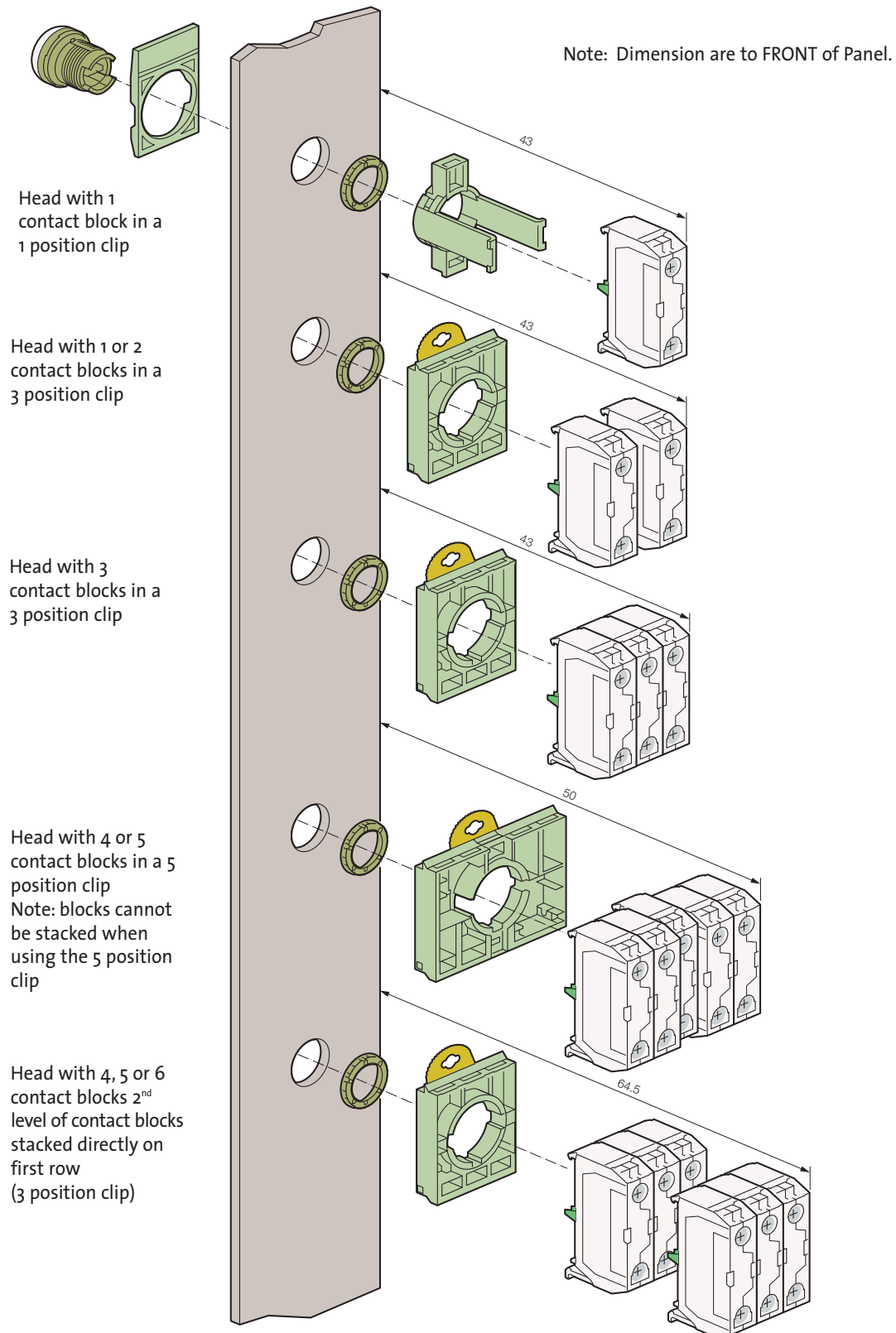
THICKNESS OF PANEL (E)

E = 1 to 6 mm



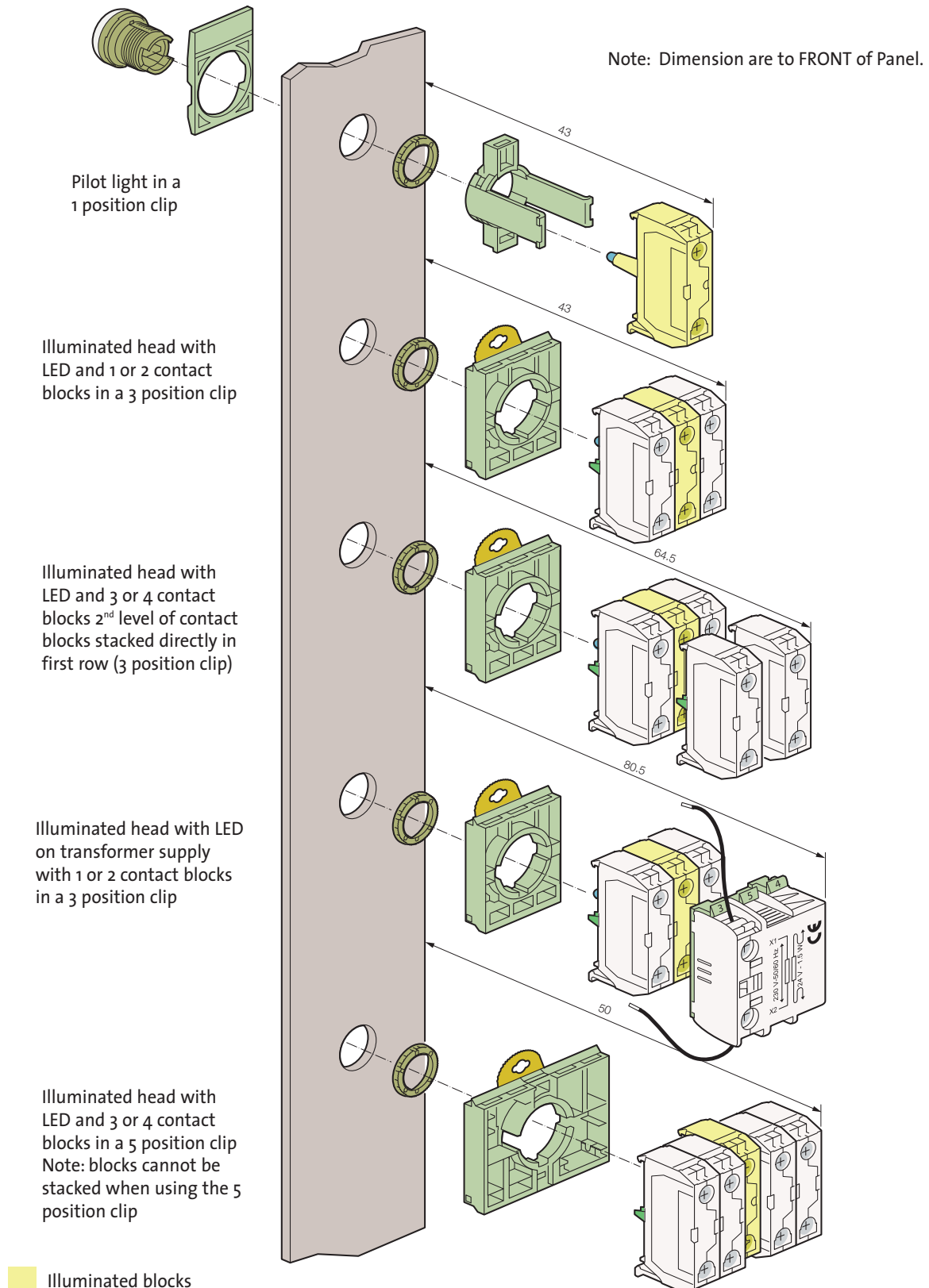
Technical Specifications

NON-ILLUMINATED



Technical Specifications

ILLUMINATED



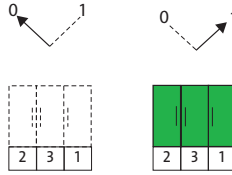
Technical Specifications

MECHANICAL OPERATION - 2 POSITION SELECTOR SWITCHES

For 2 position selector switches

Handle position
(view from front of panel)

Contacts block actuation
(clip position)



Non operated block



Operated block



333E10			
MODULE PART No.	CLIP POSITION	0	1
33E10	1	O	X

333E01			
MODULE PART No.	CLIP POSITION	0	1
33E01	2	X	O

333E11			
MODULE PART No.	CLIP POSITION	0	1
33E10	1	O	X
33E01	2	X	O

333E20			
MODULE PART No.	CLIP POSITION	0	1
33E10	1	O	X
33E10	2	O	X

333E02			
MODULE PART No.	CLIP POSITION	0	1
33E01	1	X	O
33E01	2	X	O

333E12			
MODULE PART No.	CLIP POSITION	0	1
33E10	1	O	X
33E01	2	X	O
33E01	3	X	O

333E30			
MODULE PART No.	CLIP POSITION	0	1
33E10	1	O	X
33E10	2	O	X
33E10	3	O	X

333E03			
MODULE PART No.	CLIP POSITION	0	1
33E01	1	X	O
33E01	2	X	O
33E01	3	X	O

333E21			
MODULE PART No.	CLIP POSITION	0	1
33E10	1	O	X
33E01	2	X	O
33E10	3	O	X

333E22			
MODULE PART No.	CLIP POSITION	0	1
33E10	1	O	X
33E10	2	O	X
33E01	4	X	O
33E01	5	X	O

334E22			
MODULE PART No.	CLIP POSITION	0	1
33E11	1	O	X
		X	O
33E11	2	O	X
		X	O

335E22A			
MODULE PART No.	CLIP POSITION	0	1
33E01	1	X	O
33E01	2	X	O
33E10	4	O	X
33E10	5	O	X

333E33			
MODULE PART No.	CLIP POSITION	0	1
33E10	1	O	X
33E10	2	O	X
33E10	3	O	X
33E01	4	X	O
33E01	5	X	O
33E01	6	X	O

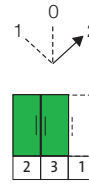
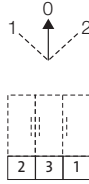
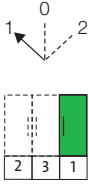
Technical Specifications

MECHANICAL OPERATION - 3 POSITION SELECTOR SWITCHES

For 3 position selector switches

Handle position
(view from front of panel)

Contacts block actuation
(clip position)



Non operated block



Operated block



333E20				
MODULE PART No.	CLIP POSITION	1	0	2
33E10	1	X	O	O
33E10	2	O	O	X

333E02				
MODULE PART No.	CLIP POSITION	1	0	2
33E01	1	O	X	X
33E01	2	X	X	O

333E11				
MODULE PART No.	CLIP POSITION	1	0	2
33E10	1	X	O	O
33E01	2	X	X	O

333E11A				
MODULE PART No.	CLIP POSITION	1	0	2
33E01	1	O	X	X
33E10	2	O	O	X

333E30				
MODULE PART No.	CLIP POSITION	1	0	2
33E10	1	X	O	O
33E10	2	O	O	X
33E10	3	O	O	X

334E22				
MODULE PART No.	CLIP POSITION	1	0	2
33E11	1	X	O	O
		O	X	X
33E11	2	O	O	X
		X	X	O

333E22				
MODULE PART No.	CLIP POSITION	1	0	2
33E10	1	X	O	O
33E10	2	O	O	X
33E01	4	O	X	X
33E01	5	X	X	O

335E22A				
MODULE PART No.	CLIP POSITION	1	0	2
33E01	1	O	X	X
33E01	2	X	X	O
33E10	4	O	O	X
33E10	5	X	O	O

Technical Specifications

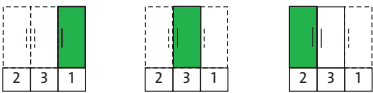
MECHANICAL OPERATION - TWIN/TRIPLE TOUCH

For twin/triple touch switches

Operator View
(highlighted button is depressed)



Contacts block actuation
(clip position)



Non operated block



Operated block



MECHANICAL OPERATION - JOYSTICKS

For Joysticks

2 position

TWO BLOCK CLIP (LME3 - STANDARD WITH JOYSTICK HEAD)					
LM11 in Clip Location	Terminal Numbers	Position			
		A	O	B	
1	3-4	X	O	O	
	1-2	O	O	X	
2	3-4	O	O	X	
	1-2	X	O	O	

A
O
B

4 position

TWO BLOCK CLIP (LME3 - STANDARD WITH JOYSTICK HEAD)							
LM11 in Clip Location	Terminal Numbers	Position					
		A	B	O	C	D	
1	3-4	O	O	O	O	X	
	1-2	O	O	O	X	O	
2	3-4	O	X	O	O	O	
	1-2	X	O	O	O	O	

A
C - O - D
B

FOUR BLOCK CLIP (LME5)					
LM11 in Clip Location	Terminal Numbers	Position			
		A	O	B	
1	3-4	X	O	O	
	1-2	O	O	X	
2	3-4	O	O	X	
	1-2	X	O	O	
3	3-4	X	O	O	
	1-2	O	O	X	
4	3-4	O	O	X	
	1-2	X	O	O	

A
O
B

FOUR BLOCK CLIP (LME5)							
LM11 in Clip Location	Terminal Numbers	Position					
		A	B	O	C	D	
1	3-4	O	O	O	O	X	
	1-2	O	O	O	X	O	
2	3-4	O	X	O	O	O	
	1-2	X	O	O	O	O	
3	3-4	O	O	O	O	X	
	1-2	O	O	O	X	O	
4	3-4	O	X	O	O	O	
	1-2	X	O	O	O	O	

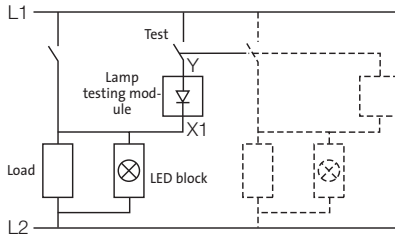
A
C - O - D
B

Technical Specifications

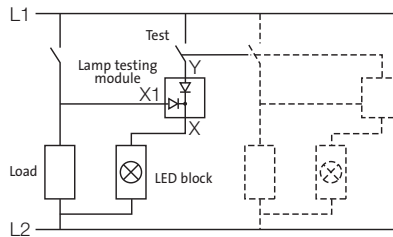
► DIAGRAMS

PUSH-TO-TEST LED PILOT LIGHT DIAGRAMS

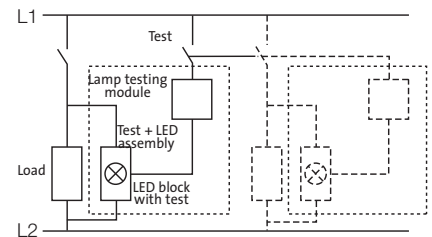
Lamp-testing module with
1 diode (33ET) for direct
supply 24 V and 48V



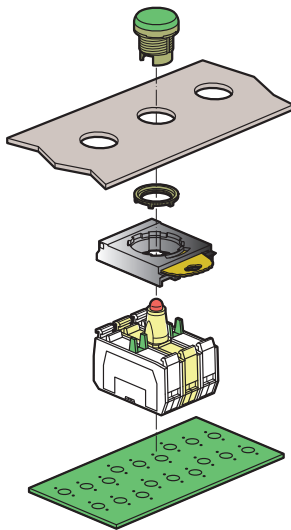
Lamp-testing module with
2 diodes (33ETT) for direct
supply 24 V and 48 V



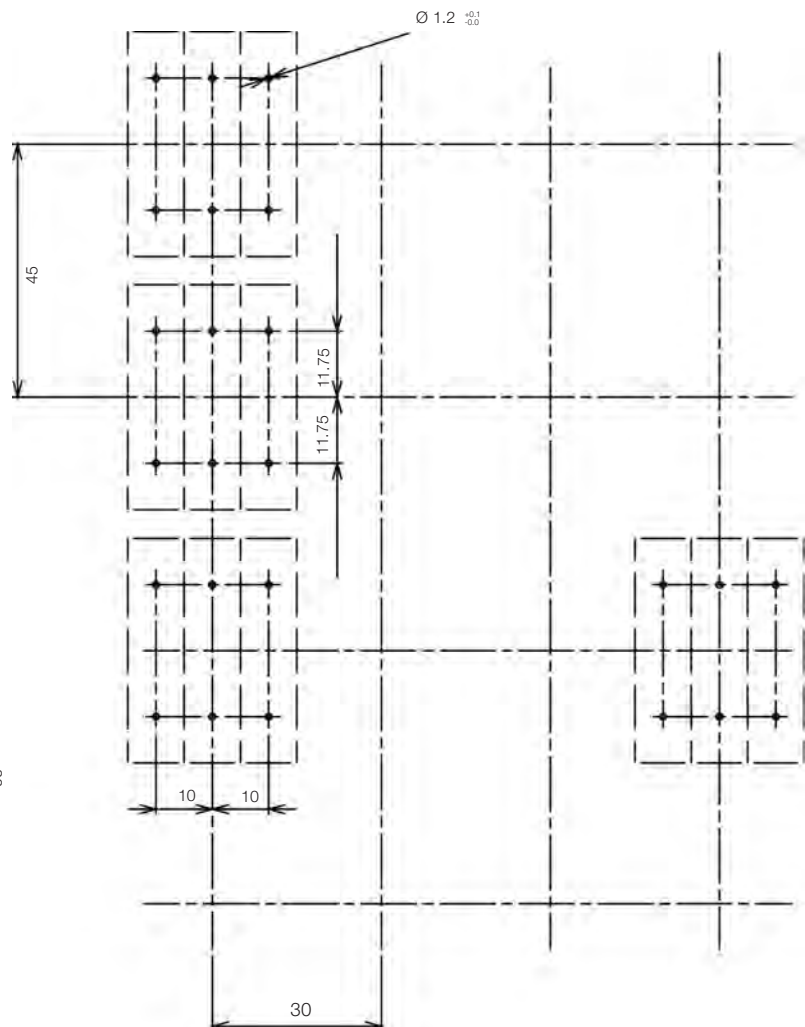
Lamp-testing assembly
for direct supply 130 V and 240 V



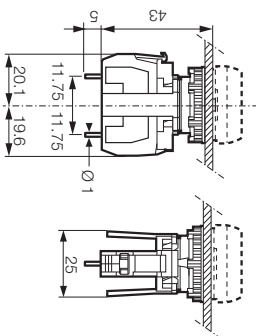
PRINTED CIRCUIT BOARD MOUNTING



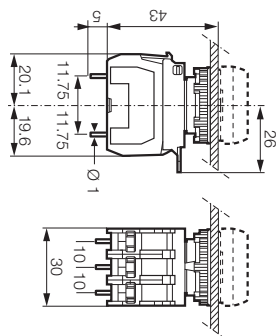
PCB BOARD DRILL PLAN



PCB TERMINAL - SINGLE CLIP



PCB TERMINAL - 3 POSITION CLIP



Baco simplifies your choice



--- **AA** -- definition of **function**

T11 AA -- choice of **bezel**

T11 AA **02** color of head

► HEAD COLOR CODES

01 ● red	04 ● yellow
02 ● green	05 ○ white
03 ● black	06 ● blue

► BEZEL CODES

T11	chrome brilliant plastic
T12	black plastic
T13	grey plastic
T14	Chrome brass
T16	Matt chrome plastic

► ADVANTAGES

- Ø 30 heads use the same clips and blocks as Ø 22 heads
- Fully compatible with the new Ø 22 range
- Wide choice of bezels

T11AA01 - 3 E 1 1 Y7
a b c d e

CLIP	
Code	Description
1	single module
3	three modules
4	three modules (when using 33E11 contact blocks)
5	five modules

TERMINAL STYLE	
Code	Description
E	Screw and Clamp
ED	Stab (Quick Connect)
EP	PCB
ER	Plug In

N.O. (NORMALLY OPEN) CONTACTS	
Code	Description
0	No Contact
1	1 N.O.
2	2 N.O.
3	3 N.O.
4	4 N.O.
5	5 N.O.
6	6 N.O.

N.C. (NORMALLY CLOSED) CONTACTS	
Code	Description
0	No Contact
1	1 N.C.
2	2 N.C.
3	3 N.C.
4	4 N.C.
5	5 N.C.
6	6 N.C.

SPECIALTY BLOCKS	
Code	Description
C	Late Break N.C. (Screw and Clamp terminals only)
Y7	Gold Plated Contacts (Screw and Clamp or PCB terminals only)

Complete units: Pushbuttons ø 30mm

► SPRING RETURN - NON-ILLUMINATED



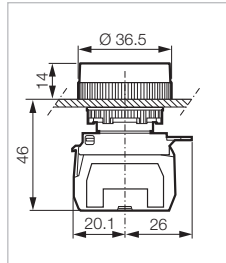
Technical Info (p. 154)

FLUSH

Chrome Bezel
Part Number



T11AA02-3E10



● Red	NC
● Green	NO
● Black	NC
● Black	NO
● Yellow	NO
○ White	NO
● Blue	NO

T11AA01-3E01
T11AA02-3E10
T11AA03-3E01
T11AA03-3E10
T11AA04-3E10
T11AA05-3E10
T11AA06-3E10

● Red	NO + NC
● Green	NO + NC
● Black	NO + NC
● Yellow	NO + NC
○ White	NO + NC
● Blue	NO + NC

T11AA01-3E11
T11AA02-3E11
T11AA03-3E11
T11AA04-3E11
T11AA05-3E11
T11AA06-3E11

WITH INTERNATIONAL SYMBOLS

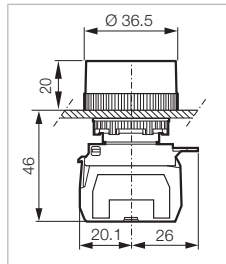
● Red	NC
● Green	NO

T11AA81-3E01
T11AA82-3E10

FLUSH WITH DEEP COLLAR



T15AA03-3E10



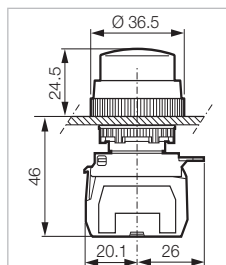
● Red	NC
● Green	NO
● Black	NC
● Black	NO
● Yellow	NO
○ White	NO
● Blue	NO

T15AA01-3E01
T15AA02-3E10
T15AA03-3E01
T15AA03-3E10
T15AA04-3E10
T15AA05-3E10
T15AA06-3E10

PROJECTING



T11AB01-3E01



● Red	NC
● Green	NO
● Black	NO
● Yellow	NO
○ White	NO
● Blue	NO

T11AB01-3E01
T11AB02-3E10
T11AB03-3E10
T11AB04-3E10
T11AB05-3E10
T11AB06-3E10

Complete units: Pushbuttons ϕ 30mm

► SPRING RETURN - NON-ILLUMINATED

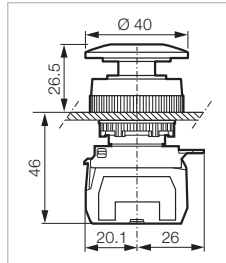


Technical Info (p. 154)

ϕ 40 MUSHROOM



T11AD01-3E01



- Red
- Green
- Black
- Black
- Yellow

- NC
- NO
- NC
- NO
- NO

- T11AD01-3E01
- T11AD02-3E10
- T11AD03-3E01
- T11AD03-3E10
- T11AD04-3E10

- Red
- Green
- Black
- Yellow

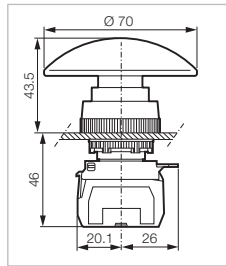
- NO + NC
- NO + NC
- NO + NC
- NO + NC

- T11AD01-3E11
- T11AD02-3E11
- T11AD03-3E11
- T11AD04-3E11

ϕ 70 MUSHROOM



T11AE01-3E01



- Red
- Black
- Black

- NC
- NC
- NO

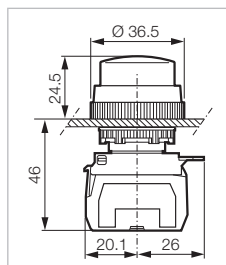
- T11AE01-3E01
- T11AE03-3E01
- T11AE03-3E10

► MAINTAINED - NON-ILLUMINATED

PROJECTING



T11CB02-3E10



- Red
- Green
- Black
- Black
- Yellow
- White
- Blue

- NC
- NO
- NC
- NO
- NO
- NO
- NO

- T11CB01-3E01
- T11CB02-3E10
- T11CB03-3E01
- T11CB03-3E10
- T11CB04-3E10
- T11CB05-3E10
- T11CB06-3E10

Complete units: Mushroom heads ø 30mm

► MAINTAINED - NON-ILLUMINATED



Technical Info (p. 154)

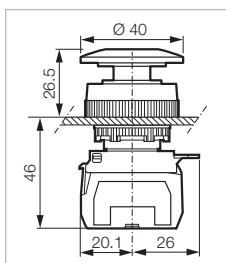
ø 40 MUSHROOM

Push-pull to reset

Chrome Bezel
Part Number



T11DD01-3E01



- Red NC
- Red 2 NC
- Red NO + NC

WITH TEXT

- Red (STOP STOP STOP) NC
- Red (STOP STOP STOP) 2 NC
- Red (STOP STOP STOP) NO + NC

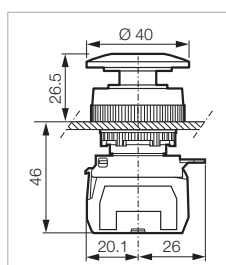
T11DD01-3E01
T11DD01-3E02
T11DD01-3E11

ø 40 MUSHROOM

Push-turn to reset



T11ED01-3E11



- Red NC
- Red 2 NC
- Red NO + NC

WITH TEXT

- Red (STOP STOP STOP) NC
- Red (STOP STOP STOP) 2 NC
- Red (STOP STOP STOP) NO + NC

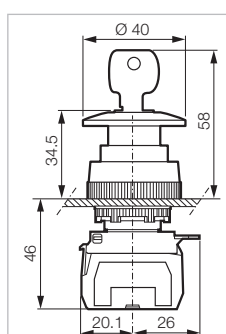
T11ED01-3E01
T11ED01-3E02
T11ED01-3E11

ø 40 MUSHROOM

Key to reset



T11GM01-3E02



Supplied with 2 keys profile n° 455

- Red NC
- Red 2 NC
- Red NO + NC

T11GM01-3E01
T11GM01-3E02
T11GM01-3E11

Complete units: Selector switches $\varnothing$ 30mm

► SELECTOR SWITCHES - NON-ILLUMINATED



Technical Info (p. 154)

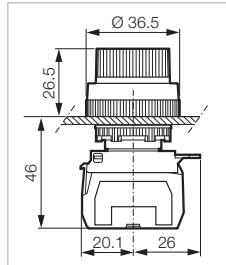
WITH HANDLE

2 positions

Chrome Bezel
Part Number



T11KA03-3E10



Maintained positions - 45°

● Red	0 1	NC
● Black		NO
● Black		2 NO
● Black		NO + NC
● Grey		NO

T11KA01-3E01
T11KA03-3E10
T11KA03-3E20
T11KA03-3E11
T11KA08-3E10

Spring Return - 45°

● Red	0 1	NC
● Black		NO
● Black		2 NO
● Black		NO + NC
● Grey		NO

T11KB01-3E01
T11KB03-3E10
T11KB03-3E20
T11KB03-3E11
T11KB08-3E10

Maintained positions - 90°

● Red	0 1	NC
● Black		NO
● Black		2 NO
● Black		NO + NC
● Grey		NO

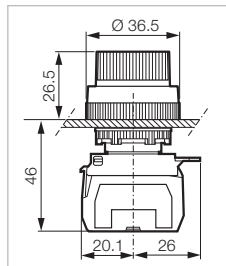
T11KE01-3E01
T11KE03-3E10
T11KE03-3E20
T11KE03-3E11
T11KE08-3E10

WITH HANDLE

3 positions



T11MA03-3E20



Maintained positions - 45°

● Red	1 0 2	2 NO
● Black		2 NO
● Grey		2 NO

T11MA01-3E20
T11MA03-3E20
T11MA08-3E20

Spring return - 45°

● Red	1 0 2	2 NO
● Black		2 NO
● Grey		2 NO

T11MD01-3E20
T11MD03-3E20
T11MD08-3E20

Maintained / Spring Return - 45°

● Red	1 0 2	NO + NC
● Black		NO + NC
● Grey		NO + NC

T11MC01-3E11
T11MC03-3E11
T11MC08-3E11

Complete units: Selector switches $\varnothing$ 30mm



Technical Info (p. 154)

► SELECTOR SWITCHES - NON-ILLUMINATED

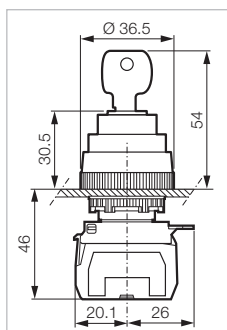
WITH KEY

2 positions

Chrome Bezel
Part Number



T11LA00-3E10



Supplied with 2 keys profile n°455

Maintained positions - 45°

Key free in position 0

- Black NO
- Black 2 NO
- Black NO + NC

T11LA00-3E10
T11LA00-3E20
T11LA00-3E11

Spring Return - 45°

Key free in position 0

- Black NO
- Black 2 NO
- Black NO + NC

T11LB00-3E10
T11LB00-3E20
T11LB00-3E11

Maintained - 90°

Key free in both positions

- Black NO
- Black 2 NO
- Black NO + NC

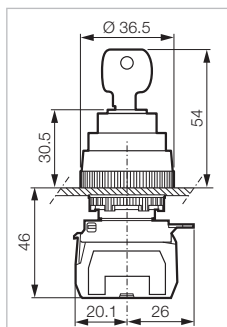
T11LG00-3E10
T11LG00-3E20
T11LG00-3E11

WITH KEY

3 positions



T11NA00-3E20



Supplied with 2 keys profile n°455

Maintained positions - 45°

Key free in position 0

- Black 2 NO

T11NA00-3E20

Spring Return - 45°

Key free in position 0

- Black 2 NO

T11ND00-3E20

T11AH20 - 3 EA G M 1 1 Y7
| _a _b _c _d _e _f _g

CLIP	
Code	Description
1	single module
3	three modules
4	three modules (when using 33E11 contact blocks)
5	five modules

LED COLOR	
Code	Description
R	Red
G	Green
Y	Yellow
W	White
B	Blue

N.O. (NORMALLY OPEN) CONTACTS	
Code	Description
0	No Contact
1	1 N.O.
2	2 N.O.
3	3 N.O.
4	4 N.O.

f

N.C. (NORMALLY CLOSED) CONTACTS	
Code	Description
0	No Contact
1	1 N.C.
2	2 N.C.
3	3 N.C.
4	4 N.C.

127

Complete units: Pushbuttons ø 30mm

► SPRING RETURN - ILLUMINATED

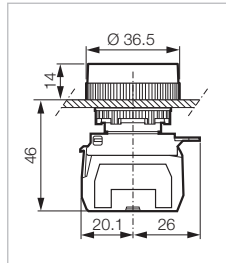
 Technical Info (p. 154)

FLUSH

Chrome Bezel
Part Number



T11AH20-3EAGL11



LED blocks
12/24 Vac/dc

● Red	NO+NC
● Green	NO+NC
○ Clear	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

T11AH10-3EARL11
T11AH20-3EAGL11
T11AH30-3EAWL11
T11AH40-3EAYL11
T11AH50-3EAWL11
T11AH60-3EABL11

130 Vac

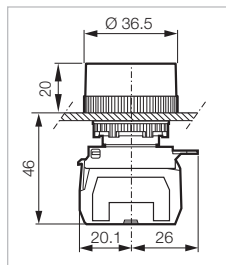
● Red	NO+NC
● Green	NO+NC
○ Clear	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

T11AH10-3EARM11
T11AH20-3EAGM11
T11AH30-3EAWM11
T11AH40-3EAYM11
T11AH50-3EAWM11
T11AH60-3EABM11

FLUSH



T15AH10-3EARL11



LED blocks
12/24 Vac/dc

● Red	NO+NC
● Green	NO+NC
○ Clear	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

T15AH10-3EARL11
T15AH20-3EAGL11
T15AH30-3EAWL11
T15AH40-3EAYL11
T15AH50-3EAWL11
T15AH60-3EABL11

130 Vac

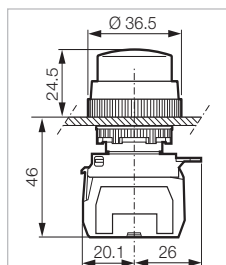
● Red	NO+NC
● Green	NO+NC
○ Clear	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

T15AH10-3EARM11
T15AH20-3EAGM11
T15AH30-3EAWM11
T15AH40-3EAYM11
T15AH50-3EAWM11
T15AH60-3EABM11

PROJECTING



T11AK40-3EAYM11



LED blocks
12/24 Vac/dc

● Red	NO+NC
● Green	NO+NC
○ Clear	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

T11AK10-3EARL11
T11AK20-3EAGL11
T11AK30-3EAWL11
T11AK40-3EAYL11
T11AK50-3EAWL11
T11AK60-3EABL11

130 Vac

● Red	NO+NC
● Green	NO+NC
○ Clear	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

T11AK10-3EARM11
T11AK20-3EAGM11
T11AK30-3EAWM11
T11AK40-3EAYM11
T11AK50-3EAWM11
T11AK60-3EABM11

Complete units: Pushbuttons ϕ 30mm

► SPRING RETURN - ILLUMINATED

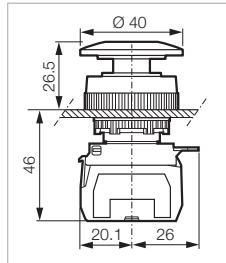
 Technical Info (p. 154)

ϕ 40 MUSHROOM

Chrome Bezel
Part Number



T11AM10-3EARL11



LED blocks

12/24 Vac/dc

● Red	NO+NC	T11AM10-3EARL11
● Green	NO+NC	T11AM20-3EAGL11
● Yellow	NO+NC	T11AM40-3EAYL11
○ White	NO+NC	T11AM50-3EAWL11
● Blue	NO+NC	T11AM60-3EABL11

130 Vac

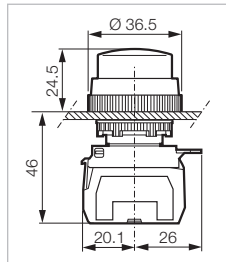
● Red	NO+NC	T11AM10-3EARM11
● Green	NO+NC	T11AM20-3EAGM11
● Yellow	NO+NC	T11AM40-3EAYM11
○ White	NO+NC	T11AM50-3EAWM11
● Blue	NO+NC	T11AM60-3EABM11

► MAINTAINED - ILLUMINATED

PROJECTING



T11CK20-3EAGL11



LED blocks

12/24 Vac/dc

● Red	NO+NC	T11CK10-3EARL11
● Green	NO+NC	T11CK20-3EAGL11
● Yellow	NO+NC	T11CK40-3EAYL11
○ White	NO+NC	T11CK50-3EAWL11
● Blue	NO+NC	T11CK60-3EABL11

130 Vac

● Red	NO+NC	T11CK10-3EARM11
● Green	NO+NC	T11CK20-3EAGM11
● Yellow	NO+NC	T11CK40-3EAYM11
○ White	NO+NC	T11CK50-3EAWM11
● Blue	NO+NC	T11CK60-3EABM11

230 Vac

● Red	NO+NC	T11CK10-3EARH11
● Green	NO+NC	T11CK20-3EAGH11
● Yellow	NO+NC	T11CK40-3EAYH11
○ White	NO+NC	T11CK50-3EAWH11
● Blue	NO+NC	T11CK60-3EABH11

Complete units: Selector switches ø 30mm

► SELECTOR SWITCHES - ILLUMINATED

 Technical Info (p. 154)

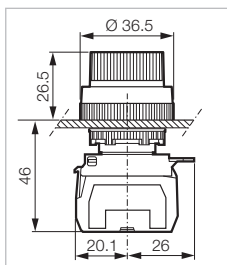
WITH HANDLE

2 positions

Chrome Bezel
Part Number



T1KG10-3EARL11



Maintained positions - 45°

12/24 Vac/dc

- Red
- Green
- White



NO + NC
NO + NC
NO + NC

T11KG10-3EARL11
T11KG20-3EAGL11
T11KG50-3EAWL11

130 Vac

- Red
- Green
- White

NO + NC
NO + NC
NO + NC

T11KG10-3EARM11
T11KG20-3EAGM11
T11KG50-3EAWM11

Spring Return - 45°

12/24 Vac/dc

- Red
- Green
- White



NO + NC
NO + NC
NO + NC

T11KK10-3EARL11
T11KK20-3EAGL11
T11KK50-3EAWL11

130 Vac

- Red
- Green
- White

NO + NC
NO + NC
NO + NC

T11KK10-3EARM11
T11KK20-3EAGM11
T11KK50-3EAWM11

Maintained positions - 90°

12/24 Vac/dc

- Red
- Green
- White



NO + NC
NO + NC
NO + NC

T11KM10-3EARL11
T11KM20-3EAGL11
T11KM50-3EAWL11

130 Vac

- Red
- Green
- White

NO + NC
NO + NC
NO + NC

T11KM10-3EARM11
T11KM20-3EAGM11
T11KM50-3EAWM11

Complete units: Selector switches $\varnothing$ 30mm

► SELECTOR SWITCHES - ILLUMINATED

 Technical Info (p. 154)

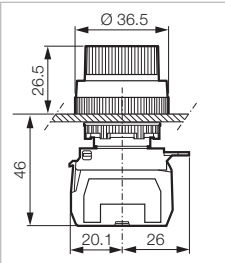
WITH HANDLE

3 positions

Chrome Bezel
Part Number



T11ME20-3EAGL20



Maintained positions - 45°

12/24 Vac/dc

- Red
- Green
- White



2 NO
2 NO
2 NO

T11ME10-3EARL20
T11ME20-3EAGL20
T11ME50-3EAWL20

130 Vac/dc

- Red
- Green
- White

2 NO
2 NO
2 NO

T11ME10-3EARM20
T11ME20-3EAGM20
T11ME50-3EAWM20

Maintained / Spring Return - 45°

12/24 Vac/dc

- Red
- Green
- White



NO + NC
NO + NC
NO + NC

T11MG10-3EARL11
T11MG20-3EAGL11
T11MG50-3EAWL11

130 Vac

- Red
- Green
- White

NO + NC
NO + NC
NO + NC

T11MG10-3EARM11
T11MG20-3EAGM11
T11MG50-3EAWM11

Spring Return - 45°

12/24 Vac/dc

- Red
- Green
- White



2 NO
2 NO
2 NO

T11MH10-3EARL20
T11MH20-3EAGL20
T11MH50-3EAWL20

130 Vac

- Red
- Green
- White

2 NO
2 NO
2 NO

T11MH10-3EARM20
T11MH20-3EAGM20
T11MH50-3EAWM20

Complete units: Pilot lights Ø 30mm

► PILOT LIGHTS



Technical Info (p. 154)

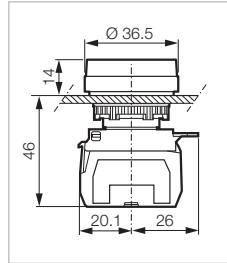
HEAD, CLIP AND MODULE

Ribbed Lens
Part Number

Smooth Lens
Part Number



T10SA10-3EARL



WITH THREE POSITION CLIP 12/24 VAC/DC

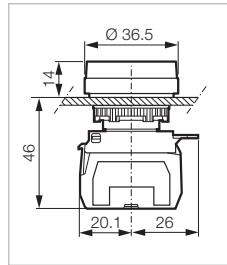
- Red
- Green
- Clear
- Yellow
- White
- Blue

T10SA10-3EARL
T10SA20-3EAGL
T10SA30-3EAWL
T10SA40-3EAYL
T10SA50-3EAWL
T10SA60-3EABL

T10SB10-3EARL
T10SB20-3EAGL
T10SB30-3EAWL
T10SB40-3EAYL
T10SB50-3EAWL
T10SB60-3EABL



T10SB20-3EAGM



130 VAC

- Red
- Green
- Clear
- Yellow
- White
- Blue

T10SA10-3EARM
T10SA20-3EAGM
T10SA30-3EAWM
T10SA40-3EAYM
T10SA50-3EAWM
T10SA60-3EABM

T10SB10-3EARM
T10SB20-3EAGM
T10SB30-3EAWM
T10SB40-3EAYM
T10SB50-3EAWM
T10SB60-3EABM

230 VAC

- Red
- Green
- Clear
- Yellow
- White
- Blue

T10SA10-3EARH
T10SA20-3EAGH
T10SA30-3EAWH
T10SA40-3EAYH
T10SA50-3EAWH
T10SA60-3EABH

T10SB10-3EARH
T10SB20-3EAGH
T10SB30-3EAWH
T10SB40-3EAYH
T10SB50-3EAWH
T10SB60-3EABH

Operator Heads: Ø 30mm

► SPRING RETURN - NON-ILLUMINATED



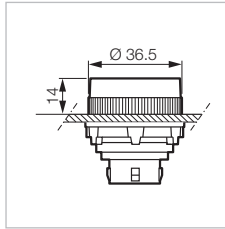
Technical Info (p. 154)

FLUSH

Chrome Bezel
Part Number



T11AA01



- Red
- Green
- Black
- Yellow
- White
- Blue

T11AA01
T11AA02
T11AA03
T11AA04
T11AA05
T11AA06

WITH INTERNATIONAL SYMBOL

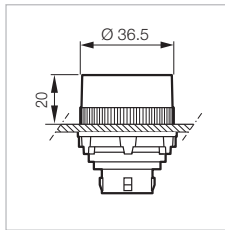
- Red
- Green
- Black

T11AA81
T11AA82
T11AA83

FLUSH WITH DEEP COLLAR



T15AA02



- Red
- Green
- Black
- Yellow
- White
- Blue

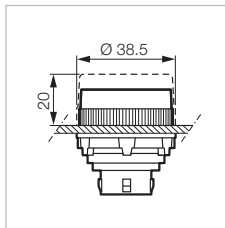
T15AA01
T15AA02
T15AA03
T15AA04
T15AA05
T15AA06

FLUSH WITH SHROUD

Reinforced degree of protection: IP 67



T11AG03



TRANSPARENT SHROUD

- Red
- Green
- Black
- Yellow
- White
- Blue

Components
Operator + Shroud

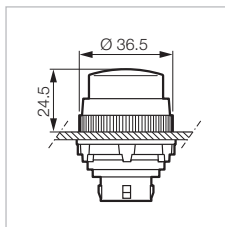
T11AA01 + UA0228
T11AA02 + UA0228
T11AA03 + UA0228
T11AA04 + UA0228
T11AA05 + UA0228
T11AA06 + UA0228

T11AG01
T11AG02
T11AG03
T11AG04
T11AG05
T11AG06

PROJECTING



T11AB01



- Red
- Green
- Black
- Yellow
- White
- Blue

T11AB01
T11AB02
T11AB03
T11AB04
T11AB05
T11AB06

Operator Heads: Ø 30mm

► SPRING RETURN - NON-ILLUMINATED

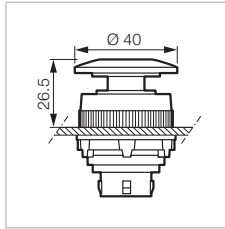


Technical Info (p. 154)

Ø 40 MUSHROOM



T11AD01



- Red
- Green
- Black
- Yellow

WITH TEXT

- Red (STOP STOP STOP)

T11AD01
T11AD02
T11AD03
T11AD04

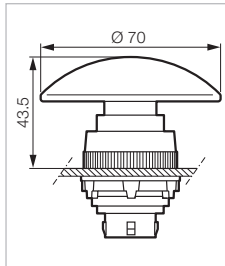
T11AD01S

Chrome Bezel
Part Number

Ø 70 MUSHROOM



T11AE01



- Red - plastic
- Black - plastic

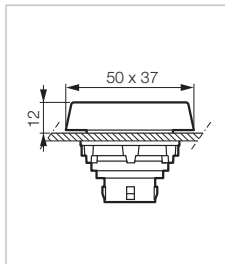
T11AE01
T11AE03

FLUSH-FLUSH

Twin touch



T52QA02



WITH INTERNATIONAL SYMBOLS

- Green
- Red

WITH TEXT

- Green (START)
- Red (STOP)

T52QA02

T52QA20

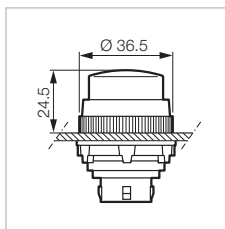
Black Bezel
Part Number

► MAINTAINED - NON-ILLUMINATED

PROJECTING



T11CB02



- Red
- Green
- Black
- Yellow
- White
- Blue

T11CB01
T11CB02
T11CB03
T11CB04
T11CB05
T11CB06

Chrome Bezel
Part Number

Operator Heads: Ø 30mm

► MAINTAINED - NON-ILLUMINATED



Technical Info (p. 154)

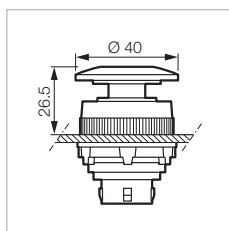
Ø 40 MUSHROOM

Push-pull to reset

Chrome Bezel
Part Number



T11DD01



- Red
- Green
- Black
- Yellow

WITH TEXT

- Red (STOP STOP STOP)

T11DD01
T11DD02
T11DD03
T11DD04

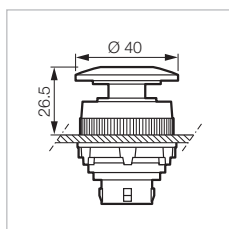
T11DD01S

Ø 40 MUSHROOM

Push-turn to reset



T11ED01



- Red
- Green
- Black
- Yellow

WITH TEXT

- Red (STOP STOP STOP)

T11ED01
T11ED02
T11ED03
T11ED04

T11ED01S

MANUAL LATCHING (Push in - Turn to Latch)

- Red
- Green
- Black
- Yellow

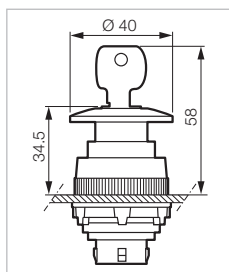
T11FD01
T11FD02
T11FD03
T11FD04

Ø 40 MUSHROOM

Key to reset



T11GM01



Supplied with 2 keys profile n° 455

- Red

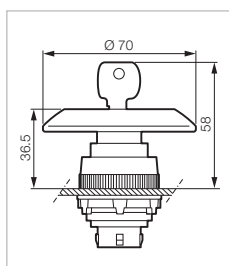
T11GM01

Ø 70 MUSHROOM

Key to reset



T11GP01



Supplied with 2 keys profile n° 455

- Red

T11GP01

Operator Heads: Ø 30mm

► SELECTOR SWITCHES - NON-ILLUMINATED



Technical Info (p. 154)

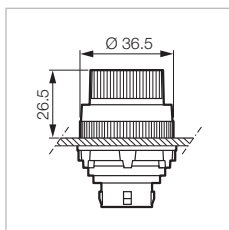
WITH HANDLE

2 positions

Chrome Bezel
Part Number



T11KA03



MAINTAINED POSITIONS - 45°

- Red
- Black
- Grey



T11KA01
T11KA03
T11KA08

SPRING RETURN - 45°

- Red
- Black
- Grey



T11KB01
T11KB03
T11KB08

MAINTAINED POSITIONS - 45°

- Red
- Black
- Grey



T11KC01
T11KC03
T11KC08

SPRING RETURN - 45°

- Red
- Black
- Grey



T11KD01
T11KD03
T11KD08

MAINTAINED POSITIONS - 90°

- Red
- Black
- Grey



T11KE01
T11KE03
T11KE08

MAINTAINED POSITIONS - 90°

- Red
- Black
- Grey



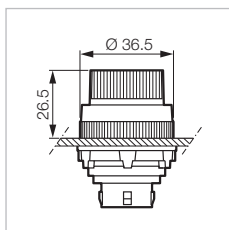
T11KF01
T11KF03
T11KF08

WITH HANDLE

3 positions



T11MA01



MAINTAINED POSITIONS - 45°

- Red
- Black
- Grey



T11MA01
T11MA03
T11MA08

SPRING RETURN FROM RIGHT TO 0 - 45°

- Red
- Black
- Grey



T11MC01
T11MC03
T11MC08

SPRING RETURN TO 0 - 45°

- Red
- Black
- Grey



T11MD01
T11MD03
T11MD08

MAINTAINED POSITIONS - 90°

- Red
- Black
- Grey



T11MK01
T11MK03
T11MK08

Operator Heads: Ø 30mm

► SELECTOR SWITCHES - NON-ILLUMINATED

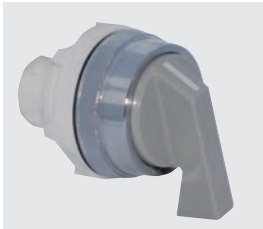


Technical Info (p.154)

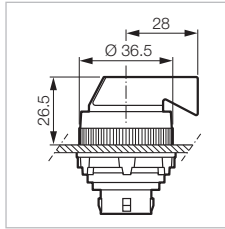
WITH HANDLE

2 positions

Chrome Bezel
Part Number



T11KP08



MAINTAINED POSITIONS - 45°

- Red
- Black
- Grey



T11KP01
T11KP03
T11KP08

SPRING RETURN - 45°

- Red
- Black
- Grey



T11KQ01
T11KQ03
T11KQ08

MAINTAINED POSITIONS - 45°

- Red
- Black
- Grey



T11KR01
T11KR03
T11KR08

SPRING RETURN - 45°

- Red
- Black
- Grey



T11KS01
T11KS03
T11KS08

MAINTAINED POSITIONS - 90°

- Red
- Black
- Grey



T11KT01
T11KT03
T11KT08

MAINTAINED POSITIONS - 90°

- Red
- Black
- Grey



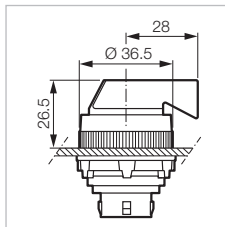
T11KU01
T11KU03
T11KU08

WITH HANDLE

3 positions



T11MR01



MAINTAINED POSITIONS - 45°

- Red
- Black
- Grey



T11MR01
T11MR03
T11MR08

SPRING RETURN FROM RIGHT TO 0 - 45°

- Red
- Black
- Grey



T11MT01
T11MT03
T11MT08

SPRING RETURN TO 0 - 45°

- Red
- Black
- Grey



T11MU01
T11MU03
T11MU08

MAINTAINED POSITIONS - 90°

- Red
- Black
- Grey



T11MW01
T11MW03
T11MW08

Operator Heads: $\varnothing$ 30mm

SELECTOR SWITCHES - NON-ILLUMINATED



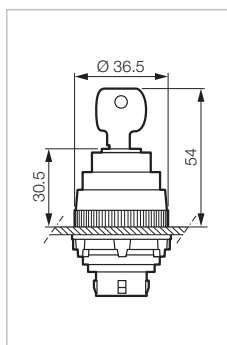
Technical Info (p. 154)

WITH KEY

2 positions

Chrome Bezel
Part Number

T11LA00



Supplied with 2 keys profile n° 455

KEY FREE IN POSITION:

MAINTAINED POSITIONS - 45°

● Black 0 T11LA00

SPRING RETURN- 45°

● Black 0 T11LB00

MAINTAINED POSITIONS - 45°

● Black 0 T11LC00

SPRING RETURN- 45°

● Black 0 T11LD00

MAINTAINED POSITIONS - 90°

● Black 0 - 1 T11LG00

MAINTAINED POSITIONS - 90°

● Black 0 T11LF00

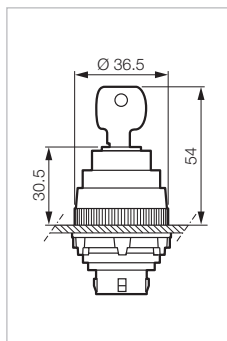
FOR KEY PROFILE N° 1424A ADD SUFFIX "A" TO
END OF PART NUMBERS (IE. T11LA00A)

WITH KEY

3 positions



T11NA00



Supplied with 2 keys profile n° 455

KEY FREE IN POSITION:

STAY-PUT POSITIONS - 45°

● Black 0 T11NA00

SPRING RETURN FROM RIGHT TO 0 - 45°

● Black 0 T11NC00

Spring return to 0 - 45°

● Black 0 T11ND00

STAY-PUT POSITIONS - 90°

● Black 1 - 0 - 2 T11NK00

FOR KEY PROFILE N° 1424A ADD SUFFIX "A" TO
END OF PART NUMBERS (IE. T11NA00A)

Complete units: Part Numbering System

► SELECTOR SWITCHES - NON-ILLUMINATED



Technical Info (p.154)

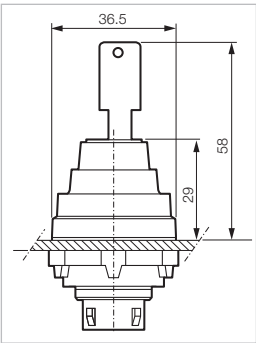
WITH KEY

2 positions

Chrome Bezel
Part Number



T11GM00



Supplied with 2 keys profile n° 455

LOCKABLE POSITION		KEY FREE IN:	
MAINTAINED			
In bottom position	Top and bottom position		T11GM00
MANUAL LOCKING			
In top position	Top and bottom position		T11GF00
In top position	Bottom position		T11GJ00
In bottom position	Top and bottom position		T11GG00
In bottom position	Bottom position		T11GK00
In top and bottom position	Top and bottom position		T11GH00
In top and bottom position	Bottom position		T11GL00

Operator Heads: Ø 30mm

► MECHANICAL ACTUATOR MOMENTARY - NON-ILLUMINATED

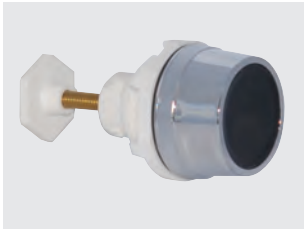


Technical Info (p. 154)

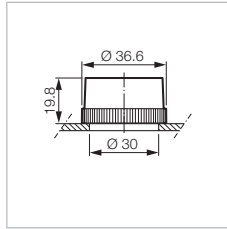
ADJUSTABLE MECHANICAL ACTUATOR - FLUSH

Chrome Bezel
Part Number

Black Bezel
Part Number



T11HA03



To be used without electrical block

Stroke 12 mm

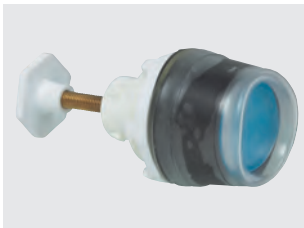
Adjustable: 27 mm min to 47 mm max / front side of panel

- Red
- Green
- Black
- Yellow
- White
- Blue

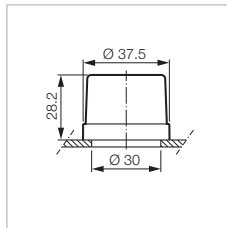
T11HA01
T11HA02
T11HA03
T11HA04
T11HA05
T11HA06

T12HA01
T12HA02
T12HA03
T12HA04
T12HA05
T12HA06

ADJUSTABLE MECHANICAL ACTUATOR - FLUSH WITH SHROUD



T12HG06



To be used without electrical block

Stroke 12 mm

Adjustable: 27 mm min to 47 mm max / front side of panel

- Red
- Green
- Black
- Yellow
- White
- Blue

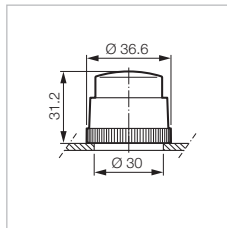
T11HG01
T11HG02
T11HG03
T11HG04
T11HG05
T11HG06

T12HG01
T12HG02
T12HG03
T12HG04
T12HG05
T12HG06

ADJUSTABLE MECHANICAL ACTUATOR - PROJECTING



T12HB05



To be used without electrical block

Stroke 12 mm

Adjustable: 27 mm min to 47 mm max / front side of panel

- Red
- Green
- Black
- Yellow
- White
- Blue

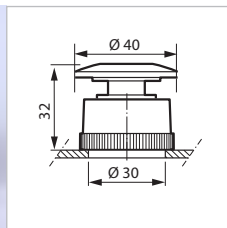
T11HB01
T11HB02
T11HB03
T11HB04
T11HB05
T11HB06

T12HB01
T12HB02
T12HB03
T12HB04
T12HB05
T12HB06

ADJUSTABLE MECHANICAL ACTUATOR - PROJECTING



907150RED



To be used without electrical block

Stroke 8 mm

Adjustable: 27 mm min to 47 mm max / front side of panel

- Red

907150RED

Operator Heads: Ø 30mm

► SPRING RETURN - ILLUMINATED

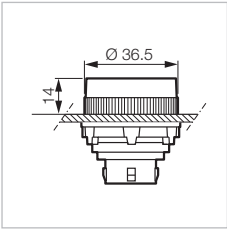
 Technical Info (p. 154)

FLUSH

Chrome Bezel
Part Number



T11AH20



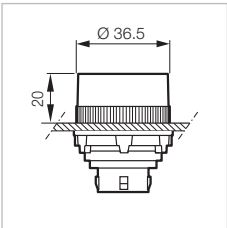
- Red
- Green
- Clear
- Yellow
- White
- Blue

T11AH10
T11AH20
T11AH30
T11AH40
T11AH50
T11AH60

FLUSH WITH DEEP COLLAR



T15AH40



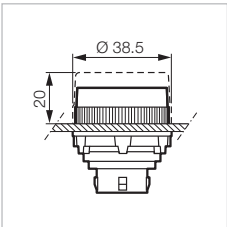
- Red
- Green
- Clear
- Yellow
- White
- Blue

T15AH10
T15AH20
T15AH30
T15AH40
T15AH50
T15AH60

FLUSH WITH SHROUD



T11AP40



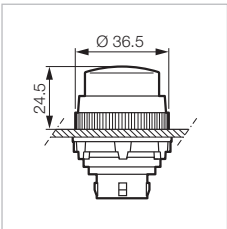
- Red
- Green
- Clear
- Yellow
- White
- Blue

T11AP10
T11AP20
T11AP30
T11AP40
T11AP50
T11AP60

PROJECTING



T11AK10



- Red
- Green
- Clear
- Yellow
- White

T11AK10
T11AK20
T11AK30
T11AK40
T11AK50

Operator Heads: Ø 30mm

► SPRING RETURN - ILLUMINATED



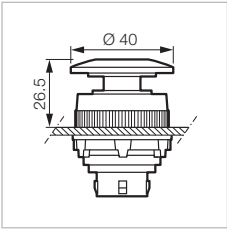
Technical Info (p. 154)

Ø 40 MUSHROOM

Chrome Bezel
Part Number



T11AM10



- Red
- Green
- Yellow
- White

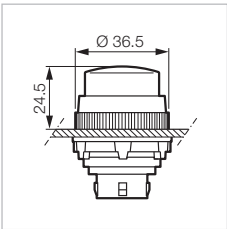
T11AM10
T11AM20
T11AM40
T11AM50

► MAINTAINED - ILLUMINATED

PROJECTING



T11CK20



- Red
- Green
- Clear
- Yellow
- White

T11CK10
T11CK20
T11CK30
T11CK40
T11CK50

Operator Heads: Ø 30mm

► SELECTOR SWITCHES - ILLUMINATED



Technical Info (p. 154)

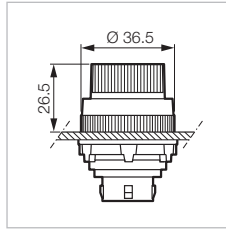
WITH HANDLE

2 positions

Chrome Bezel
Part Number



T11KG10



MAINTAINED POSITIONS - 45°

- Red
- Green
- White



T11KG10
T11KG20
T11KG50

MAINTAINED POSITIONS - 45°

- Red
- Green
- White



T11KJ10
T11KJ20
T11KJ50

SPRING RETURN - 45°

- Red
- Green
- White



T11KK10
T11KK20
T11KK50

MAINTAINED POSITIONS - 90°

- Red
- Green
- White



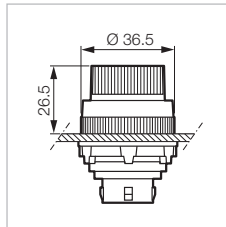
T11KM10
T11KM20
T11KM50

WITH HANDLE

3 positions

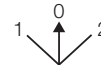


T11ME20



MAINTAINED POSITIONS - 45°

- Red
- Green
- White



T11ME10
T11ME20
T11ME50

SPRING RETURN FROM RIGHT TO 0 - 45°

- Red
- Green
- White



T11MG10
T11MG20
T11MG50

SPRING RETURN TO 0 - 45°

- Red
- Green
- White



T11MH10
T11MH20
T11MH50

MAINTAINED POSITIONS - 90°

- Red
- Green
- White



T11MJ10
T11MJ20
T11MJ50

Operator Heads: Ø 30mm

► PILOT LIGHTS - HEAD ONLY



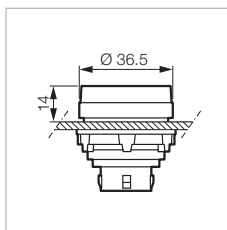
Technical Info (p. 154)

WITH RIBBED LENS

Part Number



T10SA10



For use with a clip and LED block (p. 58 to 70)

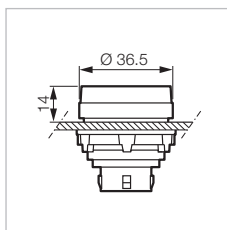
- Red
- Green
- Clear
- Yellow
- White
- Blue

T10SA10
T10SA20
T10SA30
T10SA40
T10SA50
T10SA60

WITH SMOOTH LENS



T10SB50



For use with a clip and LED block (p. 58 to 70)

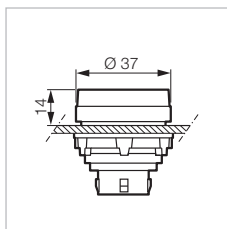
- Red
- Green
- Clear
- Yellow
- White
- Blue

T10SB10
T10SB20
T10SB30
T10SB40
T10SB50
T10SB60

WITH RIBBED LENS AND METAL COLLAR



T15SA40



For use with a clip and LED block (p. 58 to 70)

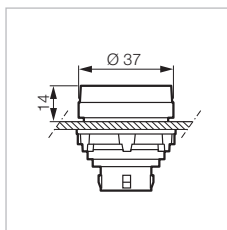
- Red
- Green
- Clear
- Yellow
- White
- Blue

T15SA10
T15SA20
T15SA30
T15SA40
T15SA50
T15SA60

WITH SMOOTH LENS AND METAL COLLAR



T15SB20



For use with a clip and LED block (p. 58 to 70)

- Red
- Green
- Clear
- Yellow
- White
- Blue

T15SB10
T15SB20
T15SB30
T15SB40
T15SB50
T15SB60

Accessories ø 30

▶ LEGEND PLATES - EMERGENCY STOP

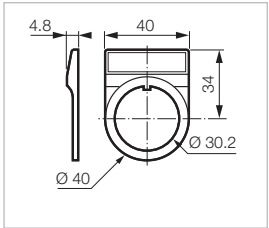
PLASTIC LEGEND PLATES		Part Number
	Plastic - Yellow with black engraving	
	60mm diameter	
	Blank	UWE60
	EMERGENCY STOP	UWE60300
	70mm diameter	
	Blank	UWE70
	EMERGENCY STOP	UWE70300
	80mm diameter	
	Blank	UWE80
	EMERGENCY STOP	UWE80300

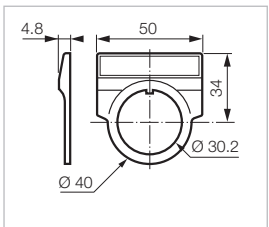
NOTE:
Custom diameters and engravings available please contact us for details.

METAL LEGEND PLATES		
	Metal - Yellow with black lettering	
	80mm diameter	
	EMERGENCY STOP	UE00300

Accessories ø 30

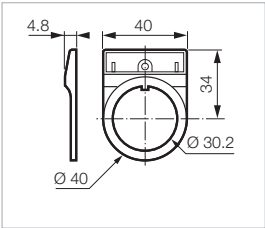
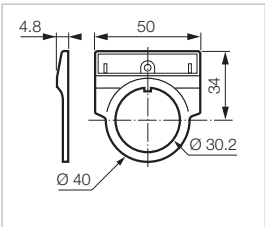
► COMPLETE LEGEND PLATES (FRAME + INSERT)

Standard model - 40 x 54 mm		Part Number
 UP39	 Round shape Black frame and legend plate unassembled 2 lines maximum, 18 characters per line WITHOUT ENGRAVING ● Red ● Black ● Alu WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us. ● Red - white engraving ● Black - white engraving ● Alu - black engraving PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...) ○ Transparent	UP31 UP33 UP39

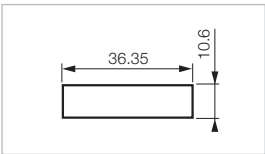
Large model - 50 x 54 mm		
 UG39	 Round shape Black frame and legend plate unassembled 2 lines maximum, 24 characters per line WITHOUT ENGRAVING ● Red ● Black ● Alu WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us. ● Red - white engraving ● Black - white engraving ● Alu - black engraving PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...) ○ Transparent	UG31 UG33 UG39

Accessories ø 30

► LEGEND PLATES - FRAMES ONLY

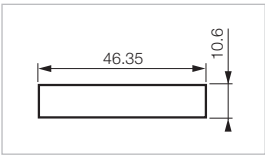
Standard model		Part Number
		● Black UP3
Large model		
		● Black UG3

► LEGEND PLATES - INSERTS ONLY

TO BE ENGRAVED		Standard model
		2 lines maximum 18 characters per line For use with standard model legend plate frames WITHOUT ENGRAVING ● Red ● Black ● Alu WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us. ● Red - white engraving ● Black - white engraving ● Alu - black engraving PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...) ○ Transparent
IB1		IB1 IB3 IB9
		IB1 □□□ IB3 □□□ IB9 □□□
		IB7

Accessories ø 30

► LEGEND PLATES - INSERTS ONLY

TO BE ENGRAVED	Large model	Part Number
 IC3	 2 lines maximum 18 characters per line For use with standard model legend plate frames WITHOUT ENGRAVING ● Red ● Black ● Alu WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us. ● Red - white engraving ● Black - white engraving ● Alu - black engraving PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...) ○ Transparent	IC1 IC3 IC9 IC1□□□ IC3□□□ IC9□□□ IC7

► BUTTON PLATES

FOR ILLUMINATED FLUSH BUTTONS

 UE02	2 lines maximum, 10 characters per line To be inserted under the button Without engraving ○ Transparent WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us. ○ Transparent (black engraving)	UE02 UE02□□□
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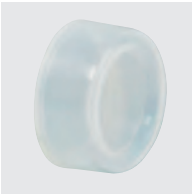
FOR PILOT LIGHTS

 UE10	2 lines maximum, 12 characters per line To be inserted under Smooth lens Pilot Light lens Without engraving ○ Transparent WITH TEXT OR SYMBOL (see p. 82 to 85) Code to be added at the end of the part number. For custom text or symbol please contact us. ○ Transparent (black engraving)	UE10 UE10□□□
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Accessories ø 30

MISCELLANEOUS

SHROUD FOR FLUSH BUTTONS Part Number

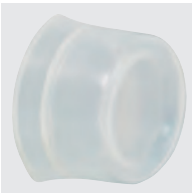


○ Transparent

UA0228

UA0228

SHROUD FOR ADJUSTABLE MECHANICAL BUTTONS



○ Transparent

UA0219

UA0219

STANDARD BEZEL



Height 13 mm

Brilliant chrome plastic
Black plastic
Grey plastic
Matt chrome plastic bezel
Matt chrome brass

UA0011
UA0012
UA0013
UA0016
UA0014

UA0011

DEEP BEZEL

For flush push-buttons only



Height 20 mm

Brilliant chrome brass

UA0202

UA0202

BEZEL FOR MECHANICAL ACTUATOR



Height 20 mm

Brilliant chrome plastic
Black plastic
Grey plastic
Brilliant chrome brass

UA0111
UA0112
UA0113
UA0114

UA0112

Accessories ø 30

MISCELLANEOUS

FIXING TOOL

Part Number



Fixing tool ø 22/ø 30

WA0210

WA0210

BLANKING PLUG



● Grey

UA0215

UA0215

ANTI-ROTATION RING



Anti-rotation ring

UA0209

UA0209

LOCKING NUT

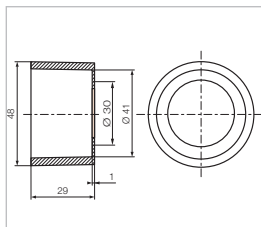
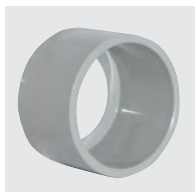


Plastic locking nut for 30mm operators

0908005V

0908005V

GUARD



For spring return button and spring return mushroom head
(max. ø 40)

UA0225

UA0225

Control Stations ø 30

► CONTROL STATIONS - NON-ILLUMINATED



Technical Info (p. 154)

SPRING RETURN - FLUSH

Part Number



TBPA301-101

● Green

NO



Legend Text

START

TBPA301-101

● Red

NC



STOP

TBPA301-104

MUSHROOM HEAD ø 40 - SPRING RETURN



TBPA301-201

● Green

NO



Legend Text

START

TBPA301-204

● Red

NC



STOP

TBPA301-201

SELECTOR SWITCH - WITH HANDLE



TBPA301-401

2 Maintained positions - 90°

● Black

NO



Marking

OFF ON

TBPA301-401

SELECTOR SWITCH - WITH KEY



TBPA301-402

Supplied with 2 keys profile n° 455

2 Maintained positions - 90°
Key free in position 0-1

● Black

NO



Marking

OFF ON

TBPA301-402

Control Stations ø 30

► CONTROL STATIONS - NON-ILLUMINATED



Technical Info (p. 154)

MUSHROOM HEAD Ø 40 - MAINTAINED

Part Number



TBPA301-301

Push-turn to reset

● Red NC



EMERGENCY STOP

TBPA301-301

Push-Pull to reset

● Red NC



EMERGENCY STOP

TBPA301-311

Push-Key to reset

● Red NC



EMERGENCY STOP

TBPA301-321

Supplied with 2 keys profile n° 455

SPRING RETURN - FLUSH



TBPA302-001

● Green

NO

● Red

NC



Marking

START
STOP

TBPA302-001

● Black

NO

● Black

NO



UP
DOWN

TBPA302-002

SPRING RETURN - FLUSH



TBPA303-001

● Green

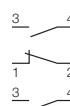
NO

● Red

NC

● Green

NO



Marking

UP
STOP
DOWN

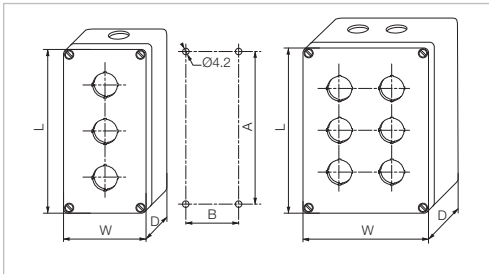
TBPA303-001

Control Stations ø 30

► PRE-DRILLED POLYCARBONATE ENCLOSURES



BPA302



Number of Holes	Cable Gland	Dimensions					Part Number
		L	W	D	A	B	
1	1 x PG13-GY	82	80	55	70	50	BPA301
2	1 x PG13-GY	120	80	55	108	50	BPA302
3	1 x PG13-GY	160	80	55	148	50	BPA303
1	1 x PG16-GY	82	80	85	70	50	BPP301
2	1 x PG16-GY	120	80	85	108	50	BPP302
3	1 x PG16-GY	160	80	85	148	50	BPP303
4	2 x PG16-GY	122	120	85	110	90	BPP304
6	2 x PG16-GY	200	120	75	188	90	BPA306
8	2 x PG16-GY	200	120	75	188	90	BPA308
10	2 x PG16-GY	240	120	100	288	90	BPP310

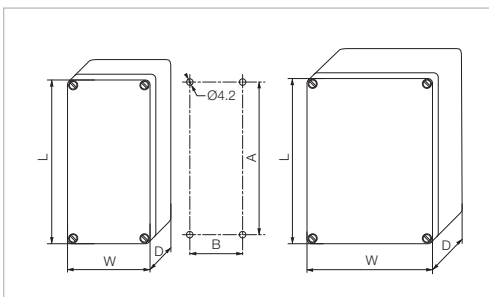
► EMPTY POLYCARBONATE ENCLOSURES



BNT208



BNT251



L	W	D	A	B	Part Number
65	50	35	53	38	BNT206
82	80	55	70	50	BNT210
82	80	85	70	50	BNT225
120	80	55	108	50	BNT215
120	80	85	108	50	BNT226
122	120	55	110	90	BNT217
122	120	85	110	90	BNT227
160	80	55	148	50	BNT220
160	80	85	148	50	BNT231
200	120	75	188	90	BNT237
200	150	75	188	119	BNT223
240	120	100	228	90	BNT242
240	160	120	228	130	BNT243
250	160	90	238	130	BNT240

CABLE GLANDS

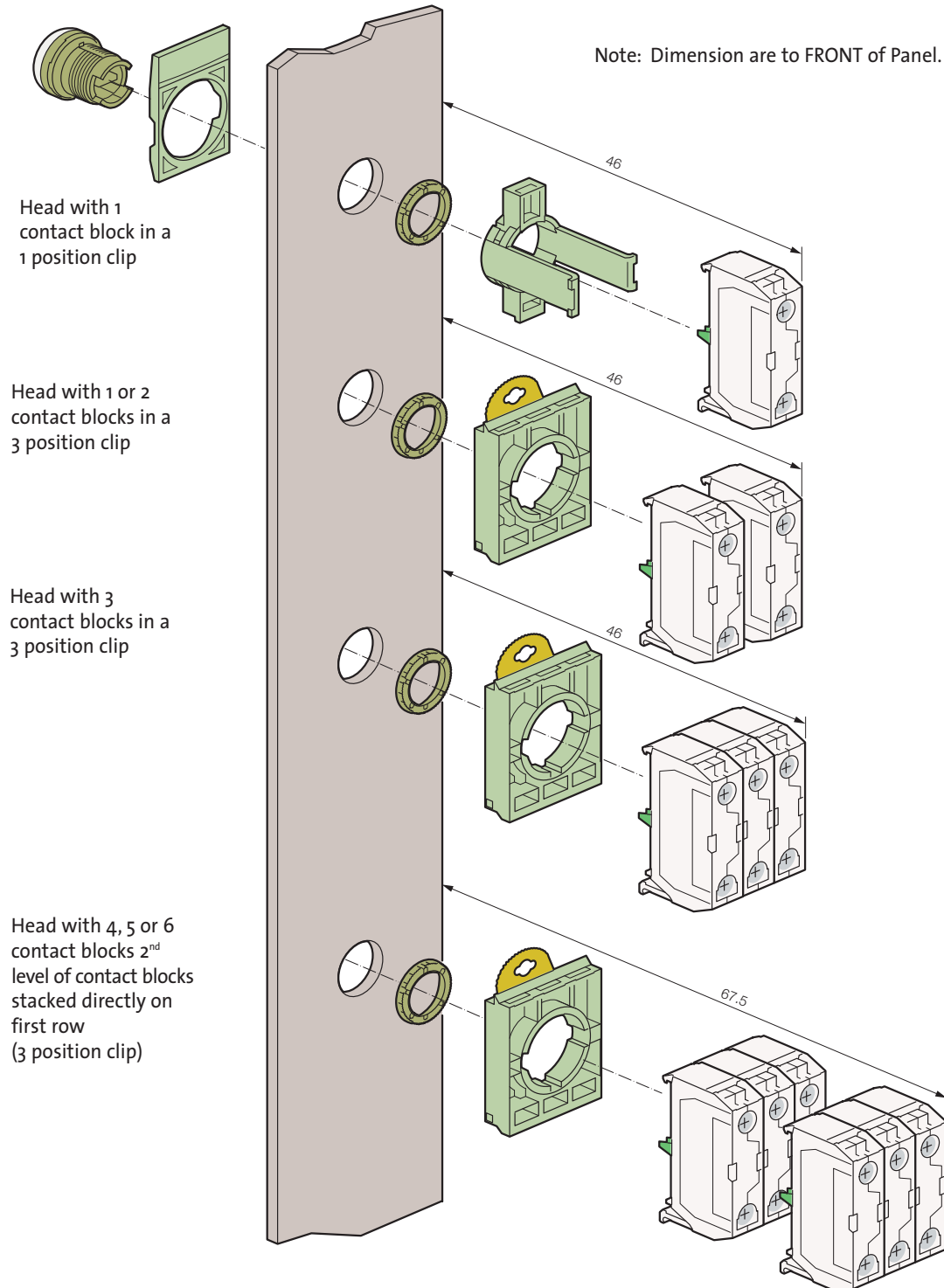


PG16-GY

	Size	Cable Thickness	Part Number
● Grey	PG11	3mm - 7mm	PG11-GY
● Grey	PG13.5	6mm - 12mm	PG13-GY
● Grey	PG16	10mm - 14mm	PG16-GY
● Grey	PG21	13mm - 18mm	PG21-GY
● Grey	PG29	18mm - 25mm	PG29-GY

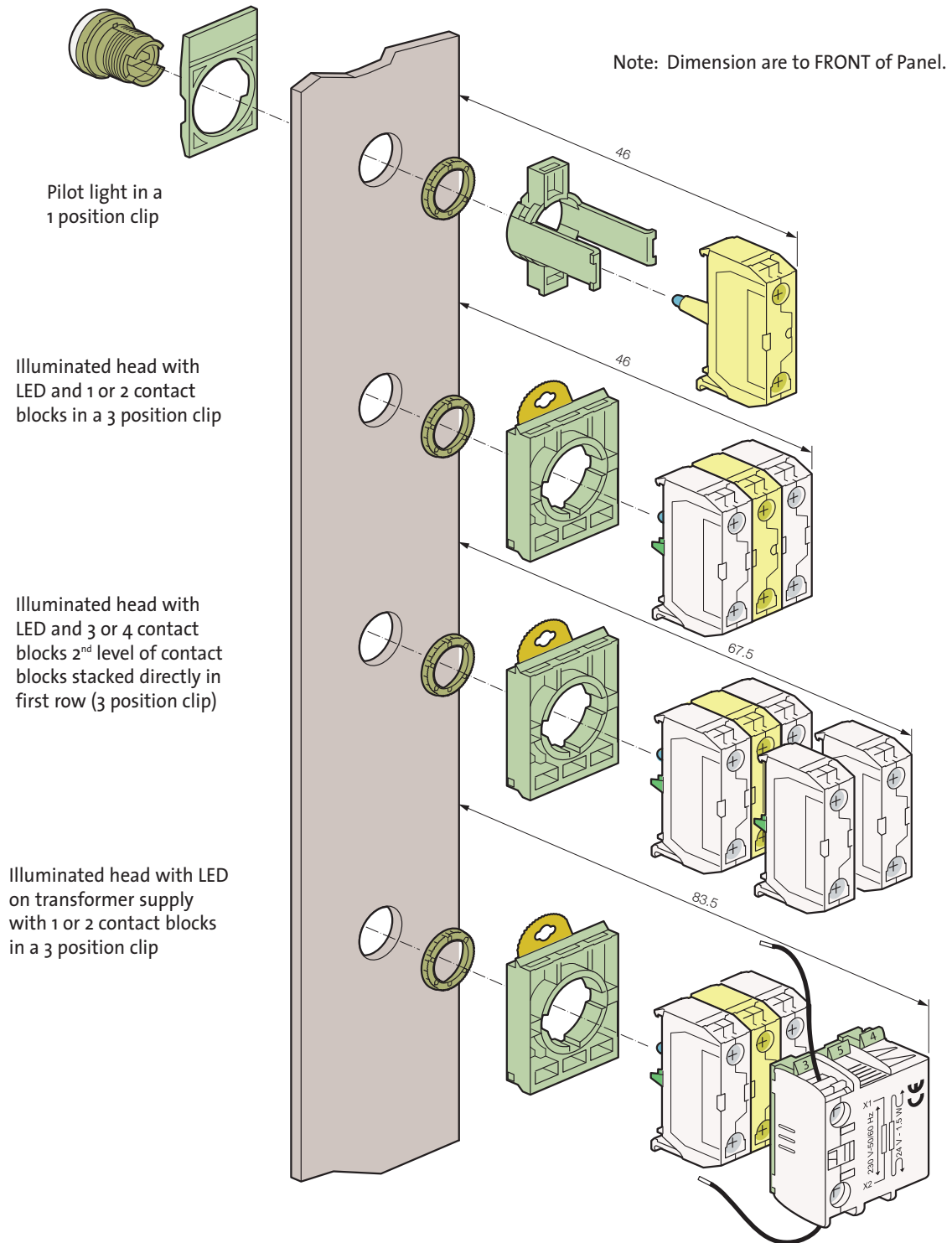
Technical Specifications

NON-ILLUMINATED



Technical Specifications

ILLUMINATED



 Illuminated blocks

Technical Specifications

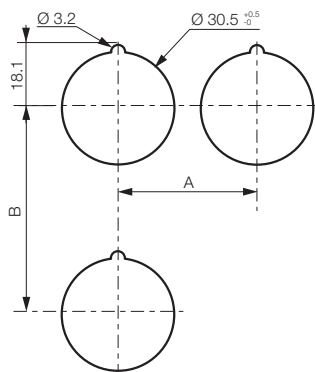
► GENERAL

Characteristics	Data	Standards
► Storage temperature for illuminated or non illuminated button	- 40°C to + 70°C	
► Operating temperature	Non illuminated buttons: - 25°C to + 70°C Illuminated buttons: - 25°C to + 60°C	
► Degree of protection	IP 65 for standard heads IP 67 for shrouded heads Type 4, 4X, 12, and 13	IEC 60947-1 NEMA standard
► Mechanical life	Spring return push button: 3 x 10 ⁶ operating cycles	IEC 60947-5-1

The contact blocks and LED modules used for the Ø 30mm heads are the same as for Ø 22mm heads (p. 57 to 75).
Their characteristics are described on <None>. 108 to 111.

► PANEL CUT-OUT Ø 30mm

DRILLING



For heads equipped with electrical blocks with screw terminals

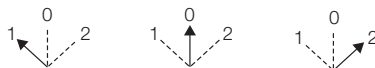
Minimum interval (mm)

A	> 40	For mushroom head Ø40
	> 50	For selector switch with Long handle
	> 70	For mushroom head Ø70
B	> 50	For double touch
	> 50	For legend plates
	> 70	For mushroom head Ø70

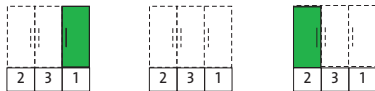
MECHANICAL OPERATION

For 3 position selector switches

Handle position
(view from front of panel)



Contacts block actuation
(clip position)



Non operated block



Operated block

