



▶ **PRODUCT CATALOG 802**
NORTH AMERICAN EDITION

OUR COMMITMENT MAKES THE DIFFERENCE ▶

BACO[®]
CONTROLS

BACO fully committed into the future

A Key player on the market for control and signalling units, cam switches and disconnect switches, BACO is recognized for its professional expertise and compliance with safety standards. BACO is committed to a quality charter based on the quality and reliability of its numerous and flexible solutions.

CONTROL AND SIGNALING UNITS

- ▶ **A wide range**
 - Pushbuttons, Selector Switches, Emergency Stops and Pilot Lights
 - Excellent modularity for a large choice of combinations with a minimum number of items
 - Customized products to meet the most specific needs



CAM SWITCHES

- ▶ **A reference on the market**
 - A worldwide reputation of know-how for more than 50 years
 - A range from 10 to 63 A (panel mount or enclosed)
 - More than 50,000 different electrical diagrams available
 - Numerous specific functions and special engravings



DISCONNECT SWITCHES

- ▶ **Great flexibility in use**
 - Compactness
 - Flexible combinations for customized applications
 - Reversible terminal blocks for front or rear mounting saving valuable time during installation



THE BACO QUALITY COMMITMENT

BACO products have a 10-year guarantee and are exceptionally reliable, that is why they are ideal for integration into systems that do not tolerate any failure (military, aeronautical, space exploration, medical research equipment, etc.). Moreover, BACO product ranges offer ingenious and reliable solutions that are fast and easy to implement.

That's why BACO is now providing a 10-year guarantee on all products. This guarantee strengthens the assurance of having a solid and committed brand by your side. With BACO, you can be sure that you have made the right choice.



Contents

2 ▶ CONTROL AND SIGNALING UNITS Ø 22

Complete Devices - Non-illuminated heads Ø 22	10
Complete Devices - Illuminated heads Ø 22	18
Non-illuminated heads Ø 22	27
Illuminated heads Ø 22	45
Block sub-assemblies	54
Clips	65
Blocks	66
Legend Plates	73
Accessories	84
Din-Rail Assemblies	90
Control Stations	91
Empty Enclosures	98
Technical characteristics	103

115 ▶ CONTROL AND SIGNALING UNITS Ø 30

Complete Devices - Non-illuminated heads Ø 30	116
Complete Devices - Illuminated heads Ø 30	122
Non illuminated heads Ø 30	128
Illuminated heads Ø 30	136
Block sub-assemblies	54
Clips	65
Blocks	66
Legend Plates	140
Accessories	144
Control Stations	146
Empty Enclosures	148
Technical characteristics	149

153 ▶ DISCONNECT SWITCHES

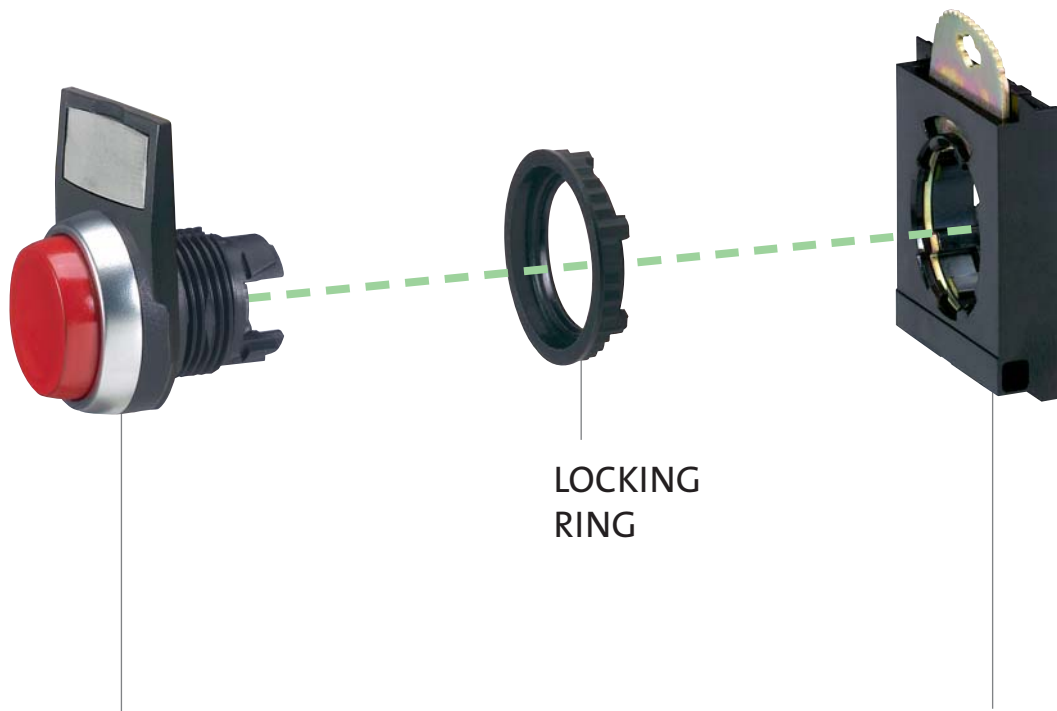
25A / 32A	154
50A / 63A	168
80A / 100A	179
Technical Specifications	192

197 ▶ CAM SWITCHES

Mini Cam Switches	198
Single Hole Mounting Ø 22 (PR12)	200
On/Off	202
Main Switches	204
Changeover without Off	206
Changeover with Off	208
Three Way with Off	210
Motor Switches	212
Ammeter / Voltmeter Switches	220
Binary Code Switches	223
Technical Specifications	224

Heads, blocks and connection...

designed to last!



► HEAD

"Cleverly designed to be both ergonomic and clearly visible"

- Insulating material ensures electrical safety
- Integrated anti-rotation tab
- Legend holder frame keeps IP66/NEMA 4x protection
- Optimized ergonomic design
- Choice of bezels: black or chrome plastic
- Innovative and varied functions
- Optimized dimensions

See pages 27 to 53

► CLIP

*"Flexibility of configuration: 1, 3 or 5 position clips
Contact blocks can be assembled in any order..."*

- Enhanced rigidity
- For 1, 3 and 5 blocks
- Blocks are simply snapped onto the clip

See page 65



► **BLOCK**

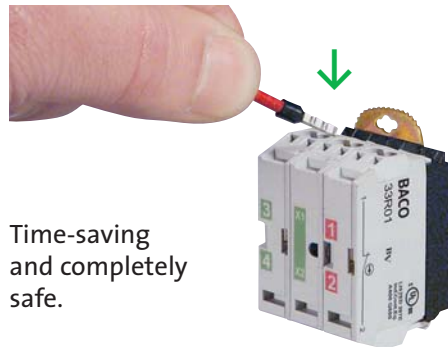
“Imaginatively designed to be safe, robust and durable”

- Securely fixed by clipping into place
- Stackable
- Grade protection: IP20 as “finger safe” on screw and plug-in terminals
- Electrical insulation
- LED blocks combining long life and economy
- Corrosion resistant to some chemicals and sea air, etc
- Conform to standard EN/IEC 60947-5-1
- Conform to standard UL 508 / CSA 22.2
- Compliant with RoHS European directive (concerning restriction of hazardous substances)

See pages 54 to 72

► **CONNECTION**

PLUG-IN TERMINALS - New



Time-saving and completely safe.

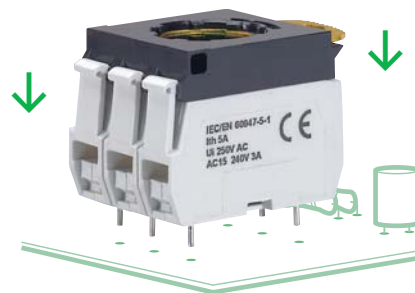
SCREW TERMINALS



FASTON TERMINALS



PIN STYLE TERMINALS (FOR PCB)



New heads...

robust and clearly marked!



▶ ADVANTAGES

We're full of innovative ideas from listening to your needs, and watching you work

- On all heads, rotation is prevented by a tab which retracts when not required
- Insulating material ensures electrical safety
- Design and shape help avoid build-up of dirt and make the switch easy to clean
- EN418 / ISO 13850 illuminated mushroom head with yellow collar for side-on visual indication
- Optimized ergonomic design
- Innovative functions: illuminated emergency stop mushroom head, etc
- Optimized dimensions: low-profile heads

► MARKING WITH LEGENDS

- Frame can be turned to 4 positions (0° ; 90° ; 180° and 270°)
- Special legend plate for twin touch
- Legend plates: choice between 5 colors, blank or pre-engraved



Frame
round or square shape,
30 or 40 mm wide

Legend plate
can be clipped into
place after installation

► TAMPO PRINTING

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



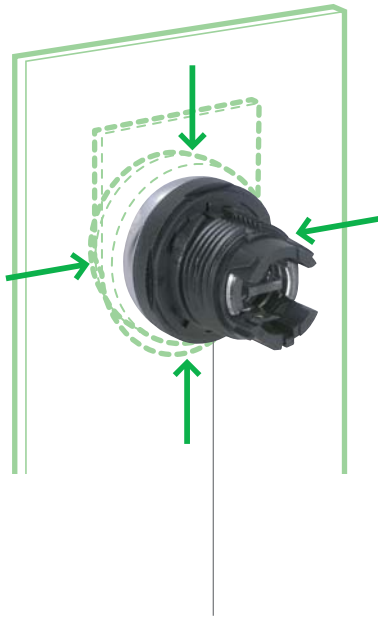
Bezels
Choice between:
black or chrome

► SILK-SCREENING

- Enclosures with standard text and symbols
- Enclosures with custom text and/or symbols to meet your specific requirements



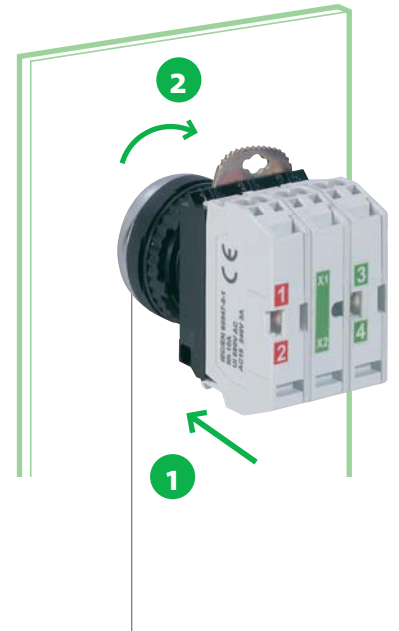
Simplicity, speed, choice!



Auto-grip ring
head held firmly
in the drilling hole
during assembly



Locking ring
to fix the head



Fixing
Locate block onto head
and lock in place with
rotating metallic latch

► ADVANTAGES

Our objective is to simplify and shorten time of installation:

- Head held firmly in place by auto-grip ring, allows single-hand mounting
- Foolproof method of positioning the block sub-assembly correctly on the head
- Rotating metallic latch easily accessible with a screwdriver where space is limited

► CONFIGURATIONS

“A range designed to meet and adapt to all requirements and all situations”

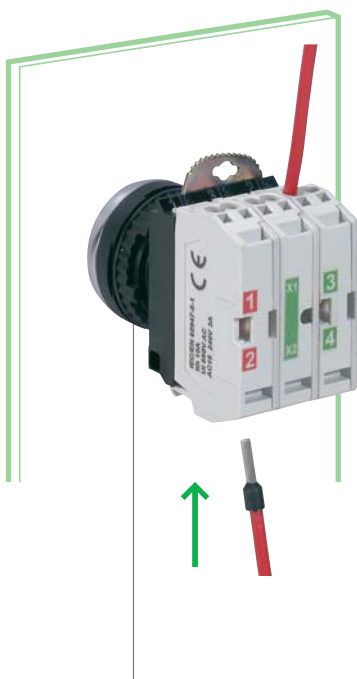
COMPLETE UNITS

- 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

- Maximum flexibility
- For numerous possible solutions

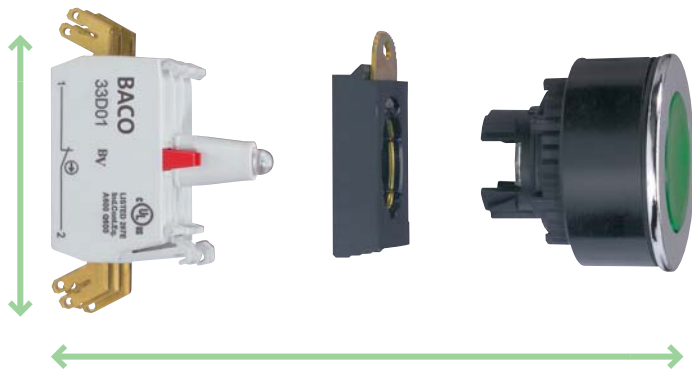


Quick connection

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

CUSTOMIZED SOLUTIONS

- Custom assemblies to suit your needs
- The Baco response for specific requirements: pre-assembly, aesthetic design, engraving, etc



Customized Solutions!



Tampo Printing on Head
Clearly Indicates function



Laser Engraving on Plate
Plates available in many colors



Combination Tampo Printing and Laser Engraving



► ADVANTAGES

Our objective is to simplify and shorten time of installation:

- Standard or Custom products
- Fast and convenient
- No minimums required

► CONFIGURATIONS

“A range designed to meet and adapt to all requirements and all situations”

- 22mm LBX enclosures in 1,2,3,4 or 5 hole configurations
- 22mm and 30mm Polycarbonate enclosure in 1,2,3,4,6,8 or 10 hole configurations
- Contact us for other requirements including custom hole spacing, extra holes or wire entry locations



Complete units: Part Numbering System

► NON-ILLUMINATED COMPLETE UNITS

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

Part number of non-illuminated operator head.
 See pages 27 to 44 for non-illuminated operator heads.

a

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

b

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

c

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.

e

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 \varnothing 22MM

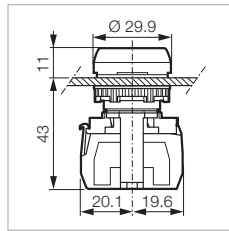
 Technical Info (p. 103)

► SPRING RETURN - NON-ILLUMINATED

FLUSH





L21AA01-1E01



WITH SINGLE POSITION CLIP

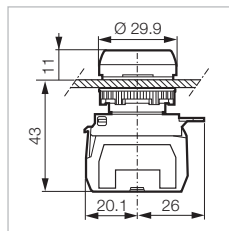
Color	NC	Chrome Bezel Part Number	Black Bezel Part Number
● Red	NC	L21AA01-1E01	L22AA01-1E01
● Green	NO	L21AA02-1E10	L22AA02-1E10
● Black	NO	L21AA03-1E10	L22AA03-1E10
● Yellow	NO	L21AA04-1E10	L22AA04-1E10
○ White	NO	L21AA05-1E10	L22AA05-1E10
● Blue	NO	L21AA06-1E10	L22AA06-1E10

WITH INTERNATIONAL SYMBOLS

 Red	NC	L21AA81-1E01	L22AA81-1E01
 Green	NO	L21AA82-1E10	L22AA82-1E10



L22AA02-3E10



WITH THREE POSITION CLIP

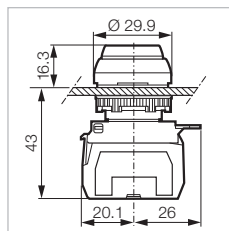
● Red	NC	L21AA01-3E01	L22AA01-3E01
● Green	NO	L21AA02-3E10	L22AA02-3E10
● Black	NC	L21AA03-3E01	L22AA03-3E01
● Black	NO	L21AA03-3E10	L22AA03-3E10
● Yellow	NO	L21AA04-3E10	L22AA04-3E10
○ White	NO	L21AA05-3E10	L22AA05-3E10
● Blue	NO	L21AA06-3E10	L22AA06-3E10

● Red	NO + NC	L21AA01-3E11	L22AA01-3E11
● Green	NO + NC	L21AA02-3E11	L22AA02-3E11
● Black	NO + NC	L21AA03-3E11	L22AA03-3E11
● Yellow	NO + NC	L21AA04-3E11	L22AA04-3E11
○ White	NO + NC	L21AA05-3E11	L22AA05-3E11
● Blue	NO + NC	L21AA06-3E11	L22AA06-3E11

PROJECTING



L21AB04-3E11



WITH SINGLE POSITION CLIP

● Red	NC	L21AB01-1E01	L22AB01-1E01
● Green	NO	L21AB02-1E10	L22AB02-1E10
● Black	NO	L21AB03-1E10	L22AB03-1E10
● Yellow	NO	L21AB04-1E10	L22AB04-1E10
○ White	NO	L21AB05-1E10	L22AB05-1E10
● Blue	NO	L21AB06-1E10	L22AB06-1E10

WITH THREE POSITION CLIP

● Red	NO + NC	L21AB01-3E11	L22AB01-3E11
● Green	NO + NC	L21AB02-3E11	L22AB02-3E11
● Black	NO + NC	L21AB03-3E11	L22AB03-3E11
● Yellow	NO + NC	L21AB04-3E11	L22AB04-3E11
○ White	NO + NC	L21AB05-3E11	L22AB05-3E11
● Blue	NO + NC	L21AB06-3E11	L22AB06-3E11

WITH INTERNATIONAL SYMBOL

 Red	NC	L21AB01B-1E01	L22AB31A70-1E01
---	----	---------------	-----------------

Complete units: Push-buttons \varnothing 22MM

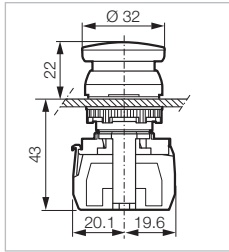
 Technical Info (p. 103)

► SPRING RETURN - NON-ILLUMINATED

\varnothing 32 MUSHROOM



L21AC01-1E01



WITH SINGLE POSITION CLIP

● Red	NC	L21AC01-1E01	L22AC01-1E01
● Green	NO	L21AC02-1E10	L22AC02-1E10
● Black	NO	L21AC03-1E10	L22AC03-1E10
● Yellow	NO	L21AC04-1E10	L22AC04-1E10

WITH THREE POSITION CLIP

● Red	NC	L21AC01-3E01	L22AC01-3E01
● Green	NO	L21AC02-3E10	L22AC02-3E10
● Black	NO	L21AC03-3E10	L22AC03-3E10
● Yellow	NO	L21AC04-3E10	L22AC04-3E10

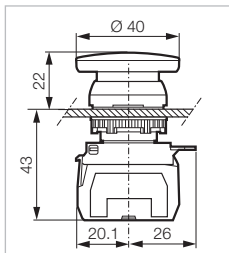
Chrome Bezel
Part Number

Black Bezel
Part Number

\varnothing 40 MUSHROOM



L22AD01-3E01



WITH SINGLE POSITION CLIP

● Red	NC	L21AD01-1E01	L22AD01-1E01
● Green	NO	L21AD02-1E10	L22AD02-1E10
● Black	NO	L21AD03-1E10	L22AD03-1E10
● Yellow	NO	L21AD04-1E10	L22AD04-1E10

WITH THREE POSITION CLIP

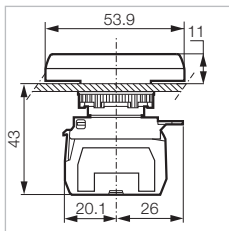
● Red	NC	L21AD01-3E01	L22AD01-3E01
● Green	NO	L21AD02-3E10	L22AD02-3E10
● Black	NO	L21AD03-3E10	L22AD03-3E10
● Yellow	NO	L21AD04-3E10	L22AD04-3E10

FLUSH-FLUSH

Twin touch



L62QA21-3E11



WITH INTERNATIONAL SYMBOLS

① Green	NO	L61QA21-3E11	L62QA21-3E11
● Red	NC		

WITH TEXT

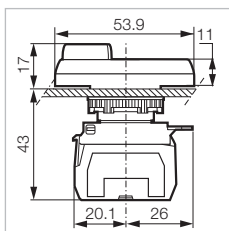
● Green (START)	NO	L61QA21B-3E11	L62QA21B-3E11
● Red (STOP)	NC		

FLUSH-PROJECTING

Twin touch



L61QB21-3E11



WITH INTERNATIONAL SYMBOLS

① Green	NO	L61QB21-3E11	L62QB21-3E11
● Red	NC		

WITH TEXT

● Green (START)	NO	L61QB21B-3E11	L62QB21B-3E11
● Red (STOP)	NC		

Complete units: Push-buttons \varnothing 22MM

 Technical Info (p.103)

► SPRING RETURN - NON-ILLUMINATED

FLUSH-PROJECTING-FLUSH

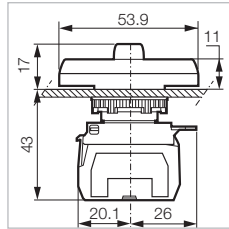
Triple touch

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

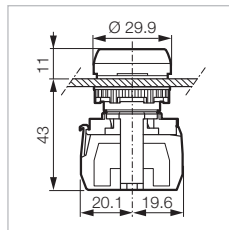
L62BA22G-3E21







► 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

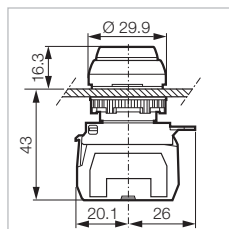
L21CA06-3E11







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 \varnothing 22MM

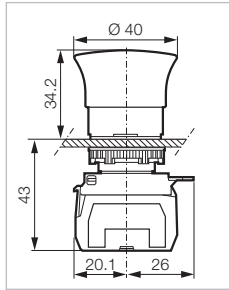
 Technical Info (p. 103)

▶ MAINTAINED - NON-ILLUMINATED

\varnothing 40 MUSHROOM

Push-pull to reset

Black Bezel
Part Number



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

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

WITH TEXT

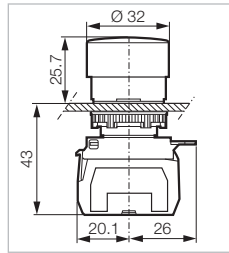
- Red (STOP STOP STOP) NC
- Green NO
- Black NC
- Black NO
- Yellow NO

- L22DD01S-3E01
- L22DD02-3E10
- L22DD03-3E01
- L22DD03-3E10
- L22DD04-3E10

L22DD01-3E01

\varnothing 32 MUSHROOM

Push-turn to reset



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

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

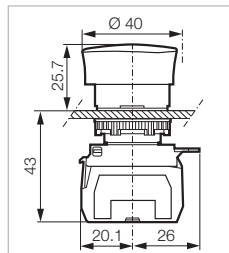
- Green NO
- Black NC
- Black NO
- Yellow NO

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

L22EC01-3E01

\varnothing 40 MUSHROOM

Push-turn to reset



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

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

WITH TEXT

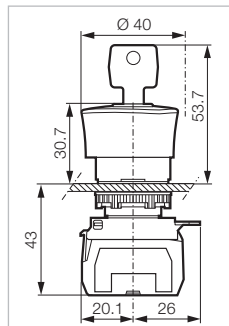
- Red (STOP STOP STOP) NC
- Green NO
- Black NC
- Black NO
- Yellow NO

- L22ED01S-3E01
- L22ED02-3E10
- L22ED03-3E01
- L22ED03-3E10
- L22ED04-3E10

L22ED01-3E11

\varnothing 40 MUSHROOM

Key to reset



Supplied with 2 keys profile n°455

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

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

L22GM01-3E01

Complete units: Mushroom heads \varnothing 22MM

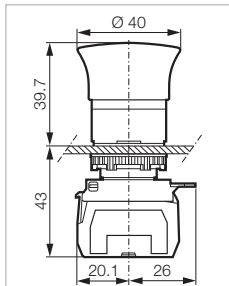
 Technical Info (p.103)

► EMERGENCY STOP MAINTAINED - NON-ILLUMINATED

Black Bezel
Part Number

\varnothing 40 EN 418 / ISO13850

Push-pull to reset



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
EN 418 / ISO 13850

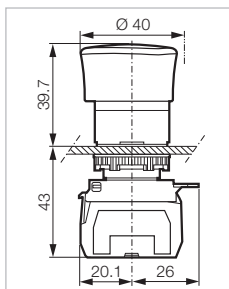
- Red NC
- Red 2 NC
- Red NO + NC

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

L22DR01-3E11

\varnothing 40 EN 418 / ISO13850

Push-turn to reset



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
EN 418 / ISO 13850

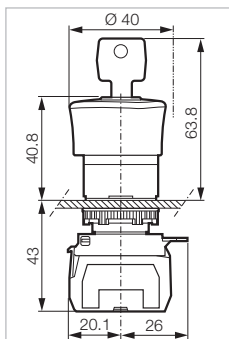
- Red NC
- Red 2 NC
- Red NO + NC

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

L22ER01-3E11

\varnothing 40 EN 418 / ISO13850

Key to reset



Double position indicator: head and collar
Compliant with the requirements of emergency stop:
EN 418 / ISO 13850
Supplied with 2 keys profile n°455

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

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

L22GR01-3E11

Complete units: Selector switches \varnothing 22MM

 Technical Info (p. 103)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

WITH HANDLE

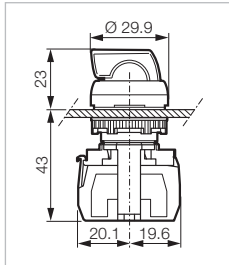
2 positions

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

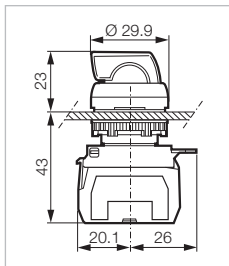
L22KE01-1E01
L22KE02-1E10
L22KE03-1E10
L22KE03-3E20
L22KE03-3E11
L22KE08-1E10

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 \varnothing 22MM

 Technical Info (p. 103)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

WITH KNOB

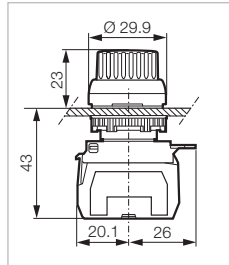
2 and 3 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21UA03-3E20



MAINTAINED POSITIONS - 45°

- Black
- Black
- Black



NO
2 NO
NO + NC

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

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

MAINTAINED POSITIONS - 45°

- Black



2 NO

L21UA03-3E20

L22UA03-3E20

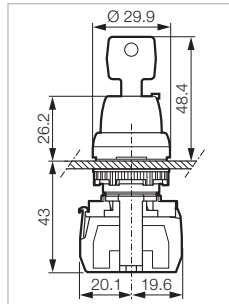
WITH KEY

2 positions

Supplied with 2 keys profile n°455



L21LA00-1E10



MAINTAINED POSITIONS - 45°

Key free in position 0

- 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 0

- 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

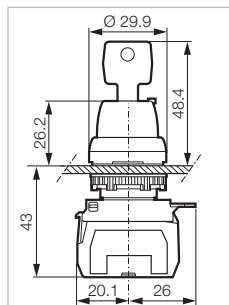
WITH KEY

3 positions

Supplied with 2 keys profile n°455



L21NA00-3E20



MAINTAINED POSITIONS - 45°

Key free in position 0

- Black



2 NO

L21NA00-3E20

L22NA00-3E20

SPRING RETURN - 45°

Key free in position 0

- Black



2 NO

L21ND00-3E20

L22ND00-3E20

Complete units: Part Numbering System

► ILLUMINATED COMPLETE UNITS

L21AH20 - 3 EA G M 1 1 Y7
a b c d e f g

Part number of illuminated operator head.
 See pages 45 to 52 for illuminated operator heads.

a

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

b

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

c

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

d

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
o	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.

f

N.C. (NORMALLY CLOSED) CONTACTS	
Code	Description
o	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.

g

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 \varnothing 22mm

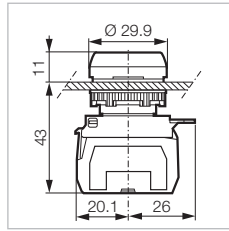
 Technical Info (p. 103)

► SPRING RETURN - ILLUMINATED

FLUSH



L21AH20-3EAGL1



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

L21AH10-3EARL11	L22AH10-3EARL11
L21AH20-3EAGL11	L22AH20-3EAGL11
L21AH40-3EAYL11	L22AH40-3EAYL11
L21AH50-3EAWL11	L22AH50-3EAWL11
L21AH60-3EABL11	L22AH60-3EABL11

130 Vac

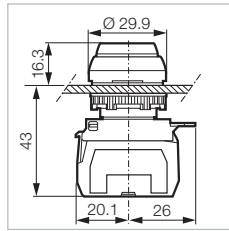
● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

L21AH10-3EARM11	L22AH10-3EARM11
L21AH20-3EAGM11	L22AH20-3EAGM11
L21AH40-3EAYM11	L22AH40-3EAYM11
L21AH50-3EAWM11	L22AH50-3EAWM11
L21AH60-3EABM11	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	L22AK10-3EARL11
L21AK20-3EAGL11	L22AK20-3EAGL11
L21AK40-3EAYL11	L22AK40-3EAYL11
L21AK50-3EAWL11	L22AK50-3EAWL11
L21AK60-3EABL11	L22AK60-3EABL11

130 Vac

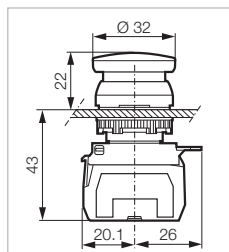
● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

L21AK10-3EARM11	L22AK10-3EARM11
L21AK20-3EAGM11	L22AK20-3EAGM11
L21AK40-3EAYM11	L22AK40-3EAYM11
L21AK50-3EAWM11	L22AK50-3EAWM11
L21AK60-3EABM11	L22AK60-3EABM11

\varnothing 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	L22AL10-3EARL11
L21AL20-3EAGL11	L22AL20-3EAGL11
L21AL40-3EAYL11	L22AL40-3EAYL11
L21AL50-3EAWL11	L22AL50-3EAWL11
L21AL60-3EABL11	L22AL60-3EABL11

130 Vac

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

L21AL10-3EARM11	L22AL10-3EARM11
L21AL20-3EAGM11	L22AL20-3EAGM11
L21AL40-3EAYM11	L22AL40-3EAYM11
L21AL50-3EAWM11	L22AL50-3EAWM11
L21AL60-3EABM11	L22AL60-3EABM11

Complete units: Pushbuttons \varnothing 22MM

 Technical Info (p. 103)

▶ SPRING RETURN - ILLUMINATED

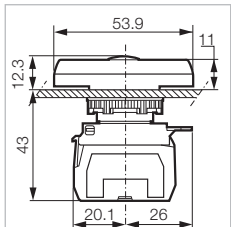
TWIN TOUCH - FLUSH-FLUSH

Chrome Bezel
Part Number

Black Bezel
Part Number





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

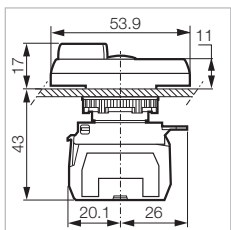
230 VAC - WITH TEXT

	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 \varnothing 22mm

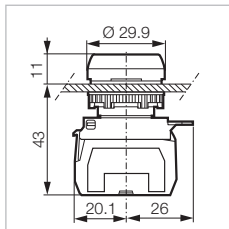
► MAINTAINED - ILLUMINATED

 Technical Info (p. 103)

FLUSH



L21CH20-3EAGL11



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

L21CH10-3EARL11	L22CH10-3EARL11
L21CH20-3EAGL11	L22CH20-3EAGL11
L21CH40-3EAYL11	L22CH40-3EAYL11
L21CH50-3EAWL11	L22CH50-3EAWL11
L21CH60-3EABL11	L22CH60-3EABL11

130 Vac

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

L21CH10-3EARM11	L22CH10-3EARM11
L21CH20-3EAGM11	L22CH20-3EAGM11
L21CH40-3EAYM11	L22CH40-3EAYM11
L21CH50-3EAWM11	L22CH50-3EAWM11
L21CH60-3EABM11	L22CH60-3EABM11

230 Vac

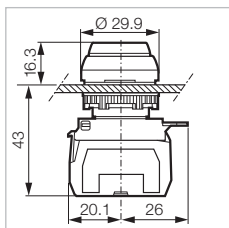
● Red	NO+NC
● Green	NO+NC
● Yellow	NO+NC
○ White	NO+NC
● Blue	NO+NC

L21CH10-3EARH11	L22CH10-3EARH11
L21CH20-3EAGH11	L22CH20-3EAGH11
L21CH40-3EAYH11	L22CH40-3EAYH11
L21CH50-3EAWH11	L22CH50-3EAWH11
L21CH60-3EABH11	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	L22CK10-3EARL11
L21CK20-3EAGL11	L22CK20-3EAGL11
L21CK40-3EAYL11	L22CK40-3EAYL11
L21CK50-3EAWL11	L22CK50-3EAWL11
L21CK60-3EABL11	L22CK60-3EABL11

130 Vac

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

L21CK10-3EARM11	L22CK10-3EARM11
L21CK20-3EAGM11	L22CK20-3EAGM11
L21CK40-3EAYM11	L22CK40-3EAYM11
L21CK50-3EAWM11	L22CK50-3EAWM11
L21CK60-3EABM11	L22CK60-3EABM11

230 Vac

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

L21CK10-3EARH11	L22CK10-3EARH11
L21CK20-3EAGH11	L22CK20-3EAGH11
L21CK40-3EAYH11	L22CK40-3EAYH11
L21CK50-3EAWH11	L22CK50-3EAWH11
L21CK60-3EABH11	L22CK60-3EABH11

Complete units: Pushbuttons \varnothing 22MM

 Technical Info (p. 103)

► MAINTAINED - ILLUMINATED

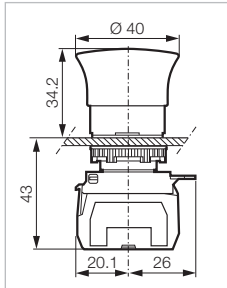
\varnothing 40 MUSHROOM

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

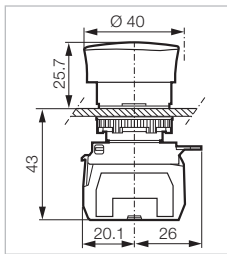
- L22DM10-3EARM01
- L22DM10-3EARM02
- L22DM10-3EARM11

\varnothing 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

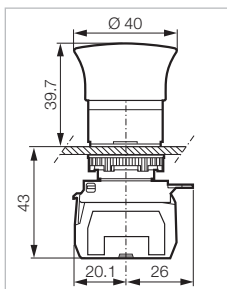
► EMERGENCY STOP MAINTAINED - ILLUMINATED

\varnothing 40 EN 418 / ISO 13850

Push-pull to reset



L22DN10-3EARM02



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
EN 418 / 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 \varnothing 22MM

▶ SELECTOR SWITCHES - ILLUMINATED

 Technical Info (p.103)

WITH HANDLE

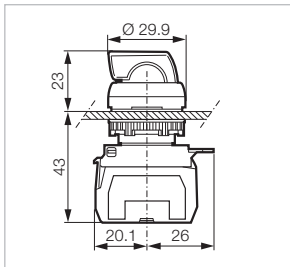
2 positions

Chrome Bezel
Part Number

Black Bezel
Part Number



L21KG10-3EARL11



LED COLOR / HANDLE COLOR

MAINTAINED POSITIONS - 45°
12/24 Vac/DC

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

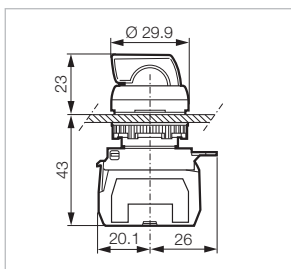
 Technical Info (p. 103)

▶ SELECTOR SWITCHES - ILLUMINATED

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	2 NO
● Green / Green	2 NO
○ White / Black	2 NO
● Yellow / Black	2 NO
● Blue / Black	2 NO



L21ME10-3EARL20	L22ME10-3EARL20
L21ME20-3EAGL20	L22ME20-3EAGL20
L21ME30-3EAWL20	L22ME30-3EAWL20
L21ME30-3EAYL20	L22ME30-3EAYL20
L21ME30-3EABL20	L22ME30-3EABL20

130 Vac/dc

● Red / Red	2 NO
● Green / Green	2 NO
○ White / Black	2 NO
● Yellow / Black	2 NO
● Blue / Black	2 NO

L21ME10-3EARM20	L22ME10-3EARM20
L21ME20-3EAGM20	L22ME20-3EAGM20
L21ME30-3EAWM20	L22ME30-3EAWM20
L21ME30-3EAYM20	L22ME30-3EAYM20
L21ME30-3EABM20	L22ME30-3EABM20

SPRING RETURN - 45°

12/24 Vac/dc

● Red / Red	2 NO
● Green / Green	2 NO
○ White / Black	2 NO
● Yellow / Black	2 NO
● Blue / Black	2 NO



L21MH10-3EARL20	L22MH10-3EARL20
L21MH20-3EAGL20	L22MH20-3EAGL20
L21MH30-3EAWL20	L22MH30-3EAWL20
L21MH30-3EAYL20	L22MH30-3EAYL20
L21MH30-3EABL20	L22MH30-3EABL20

130 Vac

● Red / Red	2 NO
● Green / Green	2 NO
○ White / Black	2 NO
● Yellow / Black	2 NO
● Blue / Black	2 NO

L21MH10-3EARM20	L22MH10-3EARM20
L21MH20-3EAGM20	L22MH20-3EAGM20
L21MH30-3EAWM20	L22MH30-3EAWM20
L21MH30-3EAYM20	L22MH30-3EAYM20
L21MH30-3EABM20	L22MH30-3EABM20

MAINTAINED / SPRING RETURN - 45°

12/24 Vac/dc

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



L21MG10-3EARL11	L22MG10-3EARL11
L21MG20-3EAGL11	L22MG20-3EAGL11
L21MG30-3EAWL11	L22MG30-3EAWL11
L21MG30-3EAYL11	L22MG30-3EAYL11
L21MG30-3EABL11	L22MG30-3EABL11

130 Vac

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

L21MG10-3EARM11	L22MG10-3EARM11
L21MG20-3EAGM11	L22MG20-3EAGM11
L21MG30-3EAWM11	L22MG30-3EAWM11
L21MG30-3EAYM11	L22MG30-3EAYM11
L21MG30-3EABM11	L22MG30-3EABM11

Complete units: Pilot lights \varnothing 22MM

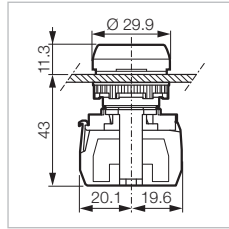
▶ PILOT LIGHTS

 Technical Info (p.103)

HEAD, CLIP AND MODULE



L20SE20-1EAGL



LED blocks

- Red
- Green
- Yellow
- White
- Blue

12/24 Vac/Dc
 L20SE10-1EARL
 L20SE20-1EAGL
 L20SE40-1EAYL
 L20SE50-1EAWL
 L20SE60-1EABL

130Vac
 L20SE10-1EARM
 L20SE20-1EAGM
 L20SE40-1EAYM
 L20SE50-1EAWM
 L20SE60-1EABM

230Vac
 L20SE10-1EARH
 L20SE20-1EAGH
 L20SE40-1EAYH
 L20SE50-1EAWH
 L20SE60-1EABH

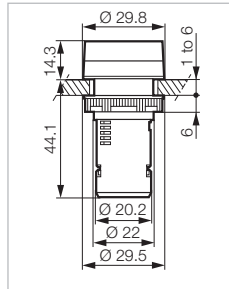
Ribbed Lens
Part Number

Smooth Lens
Part Number

ONE-PIECE PILOT PLIGHTS - SUPPLIED WITH LED BULBS



L20SA40LA



6 Vac/dc

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

L20SA10CA
 L20SA20CA
 L20SA30CA
 L20SA40CA
 L20SA50CA
 L20SA60CA

L20SA10C
 L20SA20C
 L20SA40C
 L20SA50C
 L20SA60C

12 Vac/dc

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

L20SA10JA
 L20SA20JA
 L20SA30JA
 L20SA40JA
 L20SA50JA
 L20SA60JA

L20SA10J
 L20SA20J
 L20SA40J
 L20SA50J
 L20SA60J

24 Vac/dc

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

L20SA10LA
 L20SA20LA
 L20SA30LA
 L20SA40LA
 L20SA50LA
 L20SA60LA

L20SA10L
 L20SA20L
 L20SA40L
 L20SA50L
 L20SA60L

120 Vac

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

L20SA10MA
 L20SA20MA
 L20SA30MA
 L20SA40MA
 L20SA50MA
 L20SA60MA

L20SA10M
 L20SA20M
 L20SA40M
 L20SA50M
 L20SA60M

240 Vac

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

L20SA10HA
 L20SA20HA
 L20SA30HA
 L20SA40HA
 L20SA50HA
 L20SA60HA

L20SA10H
 L20SA20H
 L20SA40H
 L20SA50H
 L20SA60H



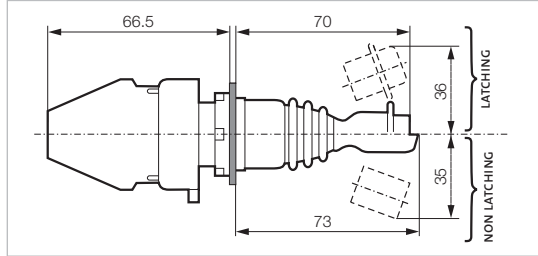
L20SA10M

Complete units: Joysticks ϕ 22MM

 Technical Info (p. 103)

▶ JOYSTICK SWITCHES - NON ILLUMINATED

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

	# Contacts Closed Per Position	Total # Contacts	Part Number
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	1	4	LM4F-3M4
C - 0 - D	2	8	LM4F-5M8

spring-return

A 0 B	1	4	LM4A-3M4
C - 0 - D	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	1	4	LMV4F-3M4
C - 0 - D	2	8	LMV4F-5M8


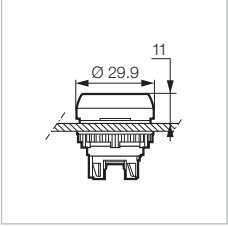


spring return

A 0 B	1	4	LMV4A-3M4
C - 0 - D	2	8	LMV4A-5M8

Operator Heads: \varnothing 22MM

► SPRING RETURN - NON-ILLUMINATED

 Technical Info (p. 103)

FLUSH		Chrome Bezel Part Number	Black Bezel Part Number
		<ul style="list-style-type: none"> ● Red L21AA01 ● Green L21AA02 ● Black L21AA03 ● Yellow L21AA04 ○ White L21AA05 ● Blue L21AA06 	<ul style="list-style-type: none"> L22AA01 L22AA02 L22AA03 L22AA04 L22AA05 L22AA06
L21AA02		WITH INTERNATIONAL SYMBOL	
		<ul style="list-style-type: none"> ● Red L21AA81 ● Green L21AA82 ● Black L21AA83 	<ul style="list-style-type: none"> L22AA81 L22AA82 L22AA83
L22AA34328		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.	
		<ul style="list-style-type: none"> ● Red L21AA31□□□ ● Green L21AA32□□□ ● Black L21AA33□□□ ● Yellow L21AA34□□□ ○ White L21AA35□□□ ● Blue L21AA36□□□ 	<ul style="list-style-type: none"> L22AA31□□□ L22AA32□□□ L22AA33□□□ L22AA34□□□ L22AA35□□□ L22AA36□□□
L21AA00		WITHOUT CAP	L22AA00
		Pushbutton caps (see p. 82)	

Operator Heads: Ø 22MM

▶ SPRING RETURN - NON-ILLUMINATED

 Technical Info (p. 103)

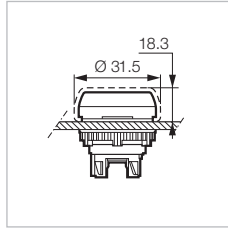
FLUSH WITH SHROUD

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. 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

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

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

COLORED SHROUD

- Red
- Green
- Black


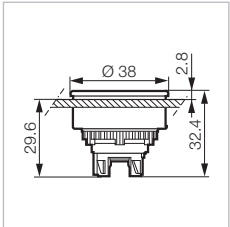


- L22AA01 + LWA0251
- L22AA02 + LWA0252
- L22AA03 + LWA0253


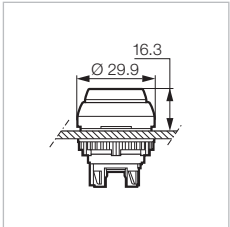

- L22AM01**
- L22AM02**
- L22AM03**


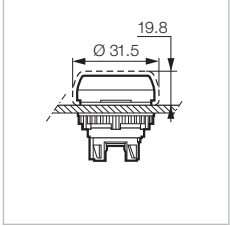
Operator Heads: \varnothing 22MM

 Technical Info (p. 103)

► SPRING RETURN - NON-ILLUMINATED

SUPER FLUSH		Chrome Bezel Part Number	Black Bezel Part Number
		Metal chrome bezel Panel cut-out \varnothing 30mm	
L23AA02		<ul style="list-style-type: none"> ● Red L23AA01 ● Green L23AA02 ● Black L23AA03 ● Yellow L23AA04 ○ White L23AA05 ● Blue L23AA06 	
		WITH INTERNATIONAL SYMBOL	
		<ul style="list-style-type: none">  Red L23AA81  Green L23AA82 	

PROJECTING			
		<ul style="list-style-type: none"> ● Red L21AB01 ● Green L21AB02 ● Black L21AB03 ● Yellow L21AB04 ○ White L21AB05 ● Blue L21AB06 	<ul style="list-style-type: none"> L22AB01 L22AB02 L22AB03 L22AB04 L22AB05 L22AB06
L21AB01		WITH INTERNATIONAL SYMBOL	
		<ul style="list-style-type: none">  Red L21AB01B 	L22AB01B

PROJECTING WITH SHROUD		Reinforced degree of protection: IP 67	Black Bezel Part Number
		Supplied with domed shroud	
L22AX04		TRANSPARENT SHROUD	Components Operator + Shroud
		<ul style="list-style-type: none"> ● Red L22AB01 + LWA0228 ● Green L22AB02 + LWA0228 ● Black L22AB03 + LWA0228 ● Yellow L22AB04 + LWA0228 ○ White L22AB05 + LWA0228 ● Blue L22AB06 + LWA0228 	<ul style="list-style-type: none"> L22AX01 L22AX02 L22AX03 L22AX04 L22AX05 L22AX06
		COLORED SHROUD	
		<ul style="list-style-type: none"> ● Red L22AB01 + LWA0203 ● Green L22AB02 + LWA0204 ● Black L22AB03 + LWA0205 	<ul style="list-style-type: none"> L22AW01 L22AW02 L22AW03

Operator Heads: \varnothing 22MM

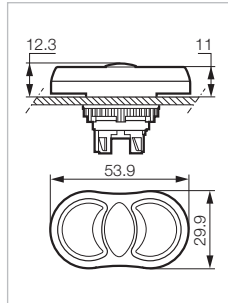
 Technical Info (p. 103)

► SPRING RETURN - NON-ILLUMINATED

FLUSH-FLUSH



L61QA21



Twin touch

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 \triangleleft (symbol for OPEN)
-  Green \triangleright (symbol for CLOSE)

L61QA22

L62QA22

-  Green
-  Green

L61QA22K

L62QA22K

-  Black
-  Black

L61QA33C

L62QA33C

BLANK

-  Green
-  Red

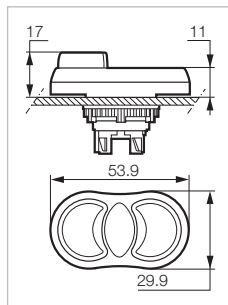
L61QA21V

L62QA21V

FLUSH-PROJECTING



L61QB21



Twin touch



WITH INTERNATIONAL SYMBOLS

-  Green
-  Red

L61QB21

L62QB21

WITH TEXT

-  Green (START)
-  Red (STOP)

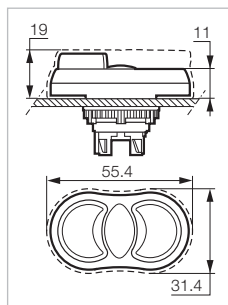
L61QB21B

L62QB21B

FLUSH-PROJECTING WITH SHROUD



L61QM21



Twin touch - reinforced degree of protection: IP 67

Supplied with transparent shroud



WITH INTERNATIONAL SYMBOLS

-  Green
-  Red

L61QM21

L62QM21

WITH TEXT

-  Green (START)
-  Red (STOP)


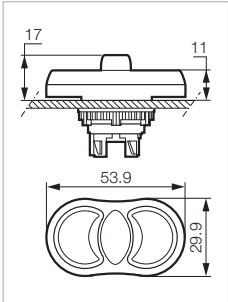












L61QM21B

L62QM21B

Operator Heads: \varnothing 22MM

 Technical Info (p.103)

► SPRING RETURN - NON-ILLUMINATED

FLUSH-PROJECTING-FLUSH		Triple touch	Chrome Bezel Part Number	Black Bezel Part Number
 <p>L61BA22</p>		WITH ARROWS AND TEXT		
		<ul style="list-style-type: none">  Green  Red (STOP)  Green 	L61BA22	L62BA22
		<ul style="list-style-type: none">  Green  Red (STOP)  Green 	L61BA22B	L62BA22B
		WITH TEXT		
		<ul style="list-style-type: none">  Green (UP)  Red (STOP)  Green (DOWN) 	L61BA22G	L62BA22G
		<ul style="list-style-type: none">  Green (OPEN)  Red (STOP)  Green (CLOSE) 	L61BA22F	L62BA22F


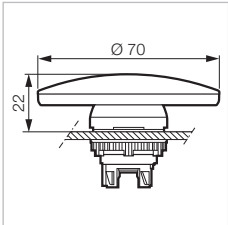


\varnothing 32 MUSHROOM

 <p>L21AC03</p>		<ul style="list-style-type: none">  Red  Green  Black  Yellow 	L21AC01	L22AC01
			L21AC02	L22AC02
			L21AC03	L22AC03
			L21AC04	L22AC04

\varnothing 40 MUSHROOM

 <p>L21AD01</p>		<ul style="list-style-type: none">  Red  Green  Black  Yellow  Blue 	L21AD01	L22AD01
			L21AD02	L22AD02
			L21AD03	L22AD03
			L21AD04	L22AD04
			L21AD06	L22AD06
		WITH TEXT		
		<ul style="list-style-type: none">  Red (STOP STOP STOP) 	L21AD01S	L22AD01S

\varnothing 70 MUSHROOM

 <p>L21AE03</p>		<ul style="list-style-type: none">  Red  Black 	L21AE01	L22AE01
			L21AE03	L22AE03

Operator Heads: \varnothing 22MM

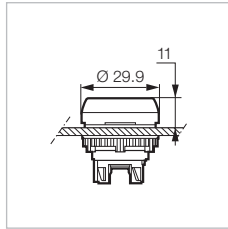
 Technical Info (p. 103)

► MAINTAINED - NON-ILLUMINATED

FLUSH



L21CA01



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

Chrome Bezel
Part Number

Black Bezel
Part Number

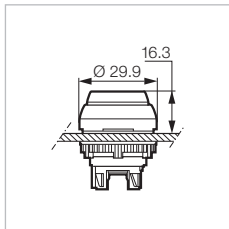
- L21CA01
- L21CA02
- L21CA03
- L21CA04
- L21CA05
- L21CA06

- L22CA01
- L22CA02
- L22CA03
- L22CA04
- L22CA05
- L22CA06

PROJECTING



L21CB02



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

- L21CB01
- L21CB02
- L21CB03
- L21CB04
- L21CB05
- L21CB06

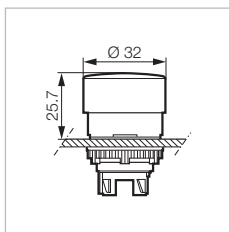
- L22CB01
- L22CB02
- L22CB03
- L22CB04
- L22CB05
- L22CB06

\varnothing 32 MUSHROOM

Push-turn to reset



L22EC01



- Red
- Green
- Black
- Yellow

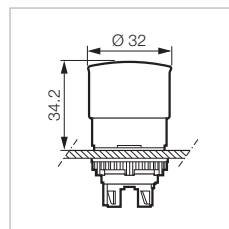
- L22EC01
- L22EC02
- L22EC03
- L22EC04

\varnothing 32 MUSHROOM

Push-pull to reset



L22DC01



- Red

- L22DC01

Operator Heads: \varnothing 22MM

 Technical Info (p.103)

► MAINTAINED - NON-ILLUMINATED

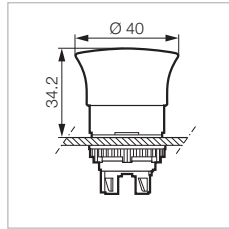
\varnothing 40 - MUSHROOM

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

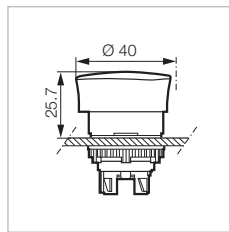
L22DD01C

\varnothing 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

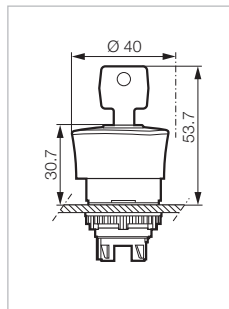
L22ED01G

\varnothing 40 - MUSHROOM

Key to reset



L22GM01



Supplied with 2 keys profile n° 455

- Red

L22GM01

Operator Heads: \varnothing 22MM

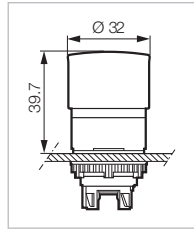
 Technical Info (p. 103)

► EMERGENCY STOP MAINTAINED - NON-ILLUMINATED

\varnothing 32 EN 418 / ISO 13850

Push-pull

Black Bezel
Part Number



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
EN 418 / ISO 13850

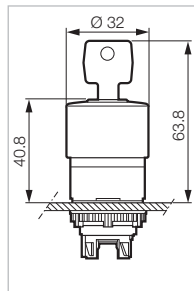
● Red

L22DQ01

L22DQ01

\varnothing 32 EN 418 / ISO 13850

Key to reset



Supplied with 2 keys profile n° 455
Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
EN 418 / ISO 13850

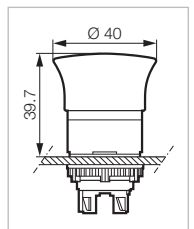
● Red

L22GQ01

L22GQ01

\varnothing 40 EN 418 / ISO 13850

Push-pull to reset



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
EN 418 / ISO 13850

● Red

L22DR01

L22DR01

Operator Heads: \varnothing 22MM

 Technical Info (p. 103)

► EMERGENCY STOP MAINTAINED - NON-ILLUMINATED

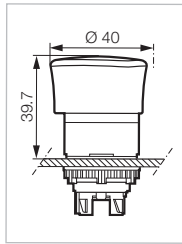
\varnothing 40 EN 418 / ISO 13850

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:
EN 418 / ISO 13850

● Red

L22ER01

WITH TEXT

● Red (EMO)

L22ER01F

WITH SYMBOL

 Red

L22ER016911



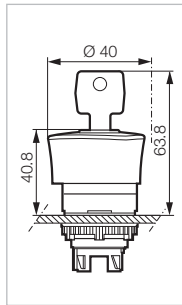
L22ER016911

\varnothing 40 EN 418 / 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:
EN 418 / ISO 13850

● Red

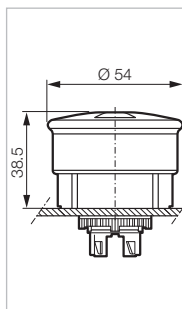
L22GR01

\varnothing 54 EN 418 / 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:
EN 418 / ISO 13850

● Red - (O - I)

L22DU01A


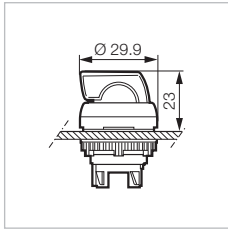






● Red - (STOP - I)

L22DU01

Operator Heads: \varnothing 22MM

 Technical Info (p. 103)


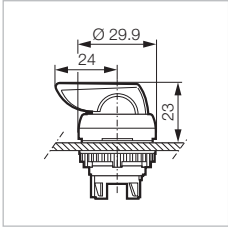
▶ SELECTOR SWITCHES - NON-ILLUMINATED

WITH HANDLE		2 positions	Chrome Bezel Part Number	Black Bezel Part Number
 <p>L21KA03</p>		MAINTAINED POSITIONS - 45° <ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	L21KA01 L21KA02 L21KA03 L21KA08	L22KA01 L22KA02 L22KA03 L22KA08
		SPRING RETURN - 45° <ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	L21KB01 L21KB02 L21KB03 L21KB08	L22KB01 L22KB02 L22KB03 L22KB08
		MAINTAINED POSITIONS - 45° <ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	L21KC01 L21KC02 L21KC03 L21KC08	L22KC01 L22KC02 L22KC03 L22KC08
		SPRING RETURN - 45° <ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	L21KD01 L21KD02 L21KD03 L21KD08	L22KD01 L22KD02 L22KD03 L22KD08
		MAINTAINED POSITIONS - 90° <ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	L21KE01 L21KE02 L21KE03 L21KE08	L22KE01 L22KE02 L22KE03 L22KE08
		MAINTAINED POSITIONS - 90° <ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	L21KF01 L21KF02 L21KF03 L21KF08	L22KF01 L22KF02 L22KF03 L22KF08

Operator Heads: \varnothing 22MM

 Technical Info (p. 103)


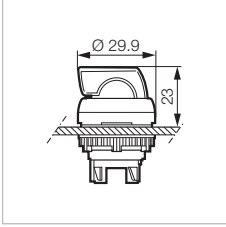






▶ SELECTOR SWITCHES - NON-ILLUMINATED

WITH LEVER HANDLE		2 positions	Chrome Bezel Part Number	Black Bezel Part Number
 <p>L21KP03</p>		MAINTAINED POSITIONS - 45° <ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	L21KP01 L21KP02 L21KP03 L21KP08	L22KP01 L22KP02 L22KP03 L22KP08
		SPRING RETURN - 45° <ul style="list-style-type: none"> ● Red ● Green ● Black 	L21KQ01 L21KQ02 L21KQ03	L22KQ01 L22KQ02 L22KQ03
		MAINTAINED POSITIONS - 45° <ul style="list-style-type: none"> ● Red ● Green ● Black 	L21KR01 L21KR02 L21KR03	L22KR01 L22KR02 L22KR03
		SPRING RETURN - 45° <ul style="list-style-type: none"> ● Red ● Green ● Black 	L21KS01 L21KS02 L21KS03	L22KS01 L22KS02 L22KS03
		MAINTAINED POSITIONS - 90° <ul style="list-style-type: none"> ● Red ● Green ● Black 	L21KT01 L21KT02 L21KT03	L22KT01 L22KT02 L22KT03
		MAINTAINED POSITIONS - 90° <ul style="list-style-type: none"> ● Red ● Green ● Black 	L21KU01 L21KU02 L21KU03	L22KU01 L22KU02 L22KU03

Operator Heads: \varnothing 22MM



▶ SELECTOR SWITCHES - NON-ILLUMINATED

WITH HANDLE	3 positions	Chrome Bezel Part Number	Black Bezel Part Number
 L21MA03		MAINTAINED POSITIONS - 45°	
		<ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	
 L21MA08		SPRING RETURN FROM LEFT TO 0 - 45°	
		<ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	
		SPRING RETURN FROM RIGHT TO 0 - 45°	
		<ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	
		SPRING RETURN TO 0 - 45°	
		<ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	
		MAINTAINED POSITIONS - 90°	
		<ul style="list-style-type: none"> ● Red ● Green ● Black ● Grey 	

Operator Heads: \varnothing 22MM

 Technical Info (p.103)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

WITH LEVER HANDLE

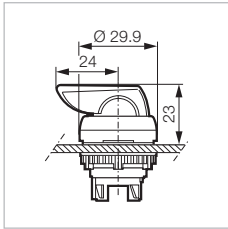
3 positions

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: \varnothing 22MM

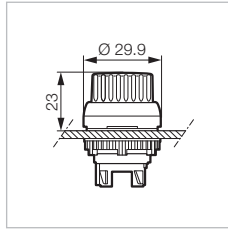
 Technical Info (p. 103)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

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

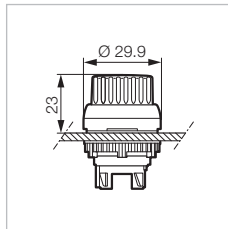
MAINTAINED POSITIONS - 90°

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






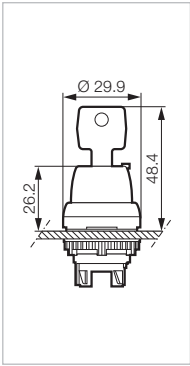








MAINTAINED POSITIONS - 90°

● Black  L21UK03 L22UK03

Operator Heads: \varnothing 22MM

 Technical Info (p.103)

▶ SELECTOR SWITCHES - NON-ILLUMINATED



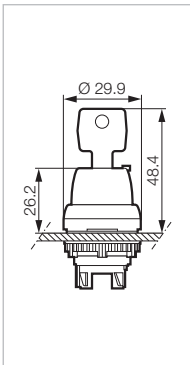







WITH KEY	2 positions	Chrome Bezel Part Number	Black Bezel Part Number
 <p>L21LG00</p>	<p>Supplied with 2 keys profile n° 455</p> <p>KEY FREE IN POSITION:</p> <p>MAINTAINED POSITIONS - 45°</p> <p>● Black  0</p> <p>SPRING RETURN - 45°</p> <p>● Black </p>	L21LA00	L22LA00
	<p>MAINTAINED POSITIONS - 45°</p> <p>● Black  0</p> <p>SPRING RETURN - 45°</p> <p>● Black </p>	L21LC00	L22LC00
	<p>MAINTAINED POSITIONS - 90°</p> <p>● Black  0</p> <p>MAINTAINED POSITIONS - 90°</p> <p>● Black  0 - 1</p> <p>MAINTAINED POSITIONS - 90°</p> <p>● Black  0 - 1</p> <p>MAINTAINED POSITIONS - 90°</p> <p>● Black  1</p>	L21LD00	L22LD00
	<p>MAINTAINED POSITIONS - 90°</p> <p>● Black  0</p>	L21LF00	L22LF00
	<p>MAINTAINED POSITIONS - 90°</p> <p>● Black  0 - 1</p>	L21LG00	L22LG00
	<p>MAINTAINED POSITIONS - 90°</p> <p>● Black  0 - 1</p>	L21LH00	L22LH00
	<p>MAINTAINED POSITIONS - 90°</p> <p>● Black  1</p>	L21LK00	L22LK00

FOR KEY PROFILE N° 1424A ADD SUFFIX "A" TO END OF ABOVE PART NUMBERS (IE. L21LA00A)

Operator Heads: Ø 22MM

 Technical Info (p. 103)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

WITH KEY	3 positions	Chrome Bezel Part Number	Black Bezel Part Number	
	Supplied with 2 keys profile n° 455			
	<p>KEY FREE IN POSITION:</p> <p>MAINTAINED POSITIONS - 45°</p> <p>● Black</p> 	0	L21NA00	L22NA00
	<p>SPRING RETURN FROM LEFT TO 0 - 45°</p> <p>● Black</p> 	0	L21NB00	L22NB00
	<p>SPRING RETURN FROM RIGHT TO 0 - 45°</p> <p>● Black</p> 	0	L21NC00	L22NC00
	<p>SPRING RETURN TO 0 - 45°</p> <p>● Black</p> 	0	L21ND00	L22ND00
	<p>MAINTAINED POSITIONS - 45°</p> <p>● Black</p> 	1 - 2	L21NE00	L22NE00
	<p>SPRING RETURN FROM RIGHT TO 0 - 45°</p> <p>● Black</p> 	1	L21NJ00	L22NJ00
	<p>MAINTAINED POSITIONS - 90°</p> <p>● Black</p> 	1 - 0 - 2	L21NK00	L22NK00
	<p>MAINTAINED POSITIONS - 90°</p> <p>● Black</p> 	0	L21NL00	L22NL00

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

Operator Heads: \varnothing 22mm

 Technical Info (p.103)

► MECHANICAL ACTUATOR MOMENTARY - NON-ILLUMINATED

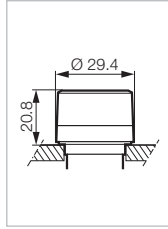
ADJUSTABLE MECHANICAL ACTUATOR - FLUSH

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)

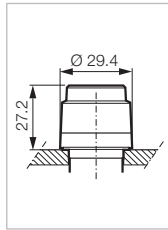
Code to be added at the end of the part number
For custom text or symbol please contact us.

● 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

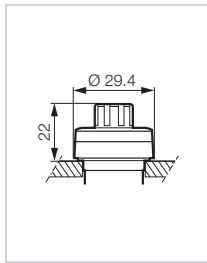
Operator Heads: \varnothing 22mm

 Technical Info (p. 103)

▶ BUTTON FOR POTENTIOMETER - NON-ILLUMINATED

Chrome Bezel
Part Number

Black Bezel
Part Number



Head + mounting base for potentiometer with Plastic chrome bezel

Shaft \varnothing 6 or 6.35 mm
Potentiometer length 46 to 51 mm

L21RP03

L22RP03

NOTE: POTENTIOMETER NOT INCLUDED

L21RP03

▶ JOYSTICKS - NON-ILLUMINATED

Part Number



LM2F

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

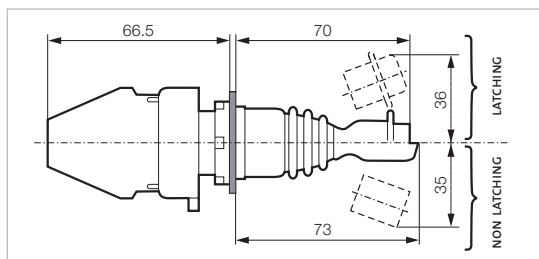
4 spring-return

A
C → 0 ← D
B

LMV4A




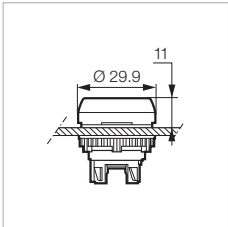

LMV4F


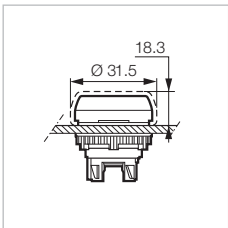


Operator Heads: \varnothing 22MM

► SPRING RETURN - ILLUMINATED

 Technical Info (p. 103)

FLUSH		Chrome Bezel Part Number	Black Bezel Part Number
		<ul style="list-style-type: none"> ● Red L21AH10 ● Green L21AH20 ● Yellow L21AH40 ○ White L21AH50 ● Blue L21AH60 	<ul style="list-style-type: none"> L22AH10 L22AH20 L22AH40 L22AH50 L22AH60
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.			
		<ul style="list-style-type: none"> ● Red L21AH31 [] [] [] [] ● Green L21AH32 [] [] [] [] ● Yellow L21AH34 [] [] [] [] ○ White L21AH35 [] [] [] [] ● Blue L21AH36 [] [] [] [] 	<ul style="list-style-type: none"> L22AH31 [] [] [] [] L22AH32 [] [] [] [] L22AH34 [] [] [] [] L22AH35 [] [] [] [] L22AH36 [] [] [] []
WITHOUT CAP		L21AH00	L22AH00
Pushbutton caps (see p. 84)			

FLUSH WITH SHROUD		Reinforced degree of protection: IP 67		Black Bezel Part Number
		Supplied with flat shroud	Components Operator + Shroud	
TRANSPARENT SHROUD				
		<ul style="list-style-type: none"> ● Red L22AH10 + LWA0255 ● Green L22AH20 + LWA0255 ● Yellow L22AH40 + LWA0255 ○ White L22AH50 + LWA0255 ● Blue L22AH60 + LWA0255 		<ul style="list-style-type: none"> L22AQ10 L22AQ20 L22AQ40 L22AQ50 L22AQ60
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.				
		<ul style="list-style-type: none"> ● Red L22AH31 [] [] [] [] + LWA0255 ● Green L22AH32 [] [] [] [] + LWA0255 ● Yellow L22AH34 [] [] [] [] + LWA0255 ○ White L22AH35 [] [] [] [] + LWA0255 ● Blue L22AH36 [] [] [] [] + LWA0255 		<ul style="list-style-type: none"> L22AQ31 [] [] [] [] L22AQ32 [] [] [] [] L22AQ34 [] [] [] [] L22AQ35 [] [] [] [] L22AQ36 [] [] [] []

Operator Heads: \varnothing 22mm

► SPRING RETURN - ILLUMINATED

 Technical Info (p. 103)

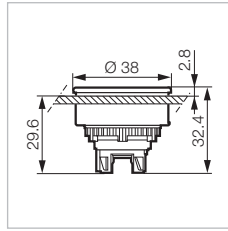
SUPER FLUSH

Chrome Bezel
Part Number

Black Bezel
Part Number



L23ACH10



METAL CHROME BEZEL
Panel cut-out \varnothing 30 mm

WITHOUT ENGRAVING

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

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

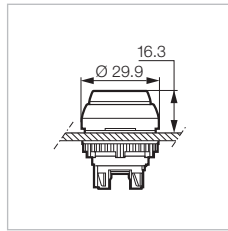
Code to be added at the end of the part number.
For custom text or symbol please contact us.

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

PROJECTING



L21AK20



● Red	L21AK10
● Green	L21AK20
● Yellow	L21AK40
○ White	L21AK50
● Blue	L21AK60

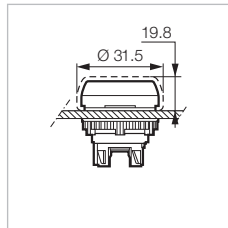
L22AK10
L22AK20
L22AK40
L22AK50
L22AK60

PROJECTING WITH SHROUD

Black Bezel
Part Number



L22AZ10



Supplied with domed shroud

TRANSPARENT SHROUD

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

Components
Operator + Shroud

Operator Heads: \varnothing 22MM

 Technical Info (p.103)

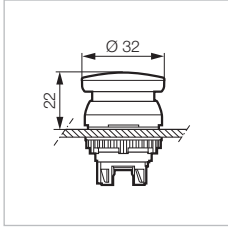
► SPRING RETURN - ILLUMINATED

\varnothing 32 MUSHROOM

Push

Chrome Bezel
Part Number

Black Bezel
Part Number



- Red
- Green
- Yellow
- White

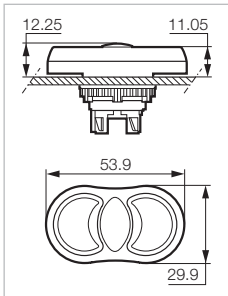
L21AL10
L21AL20
L21AL40
L21AL50

L22AL10
L22AL20
L22AL40
L22AL50

L21AL10

FLUSH-FLUSH

Twin touch



**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)

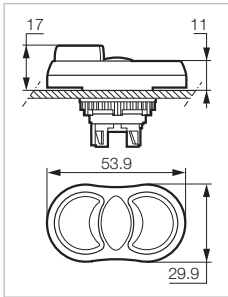
L61QH22A

L62QH22A

L62QH21

FLUSH-PROJECTING

Twin touch



CENTRAL PART ILLUMINATED

- Green
- Red

L61QK21

L62QK21

WITH INTERNATIONAL SYMBOLS

- White
- Black

L61QK53

L62QK53

WITH TEXT

- Green (START)
- Red (STOP)

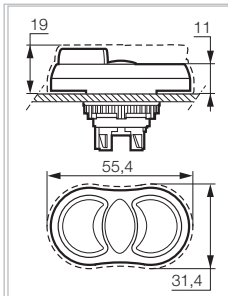
L61QK21A

L62QK21A

L61QK21

FLUSH-PROJECTING WITH SHROUD

Twin touch - reinforced degree of protection: IP 67



CENTRAL PART ILLUMINATED

WITH INTERNATIONAL SYMBOLS

- Green
- Red

L61QN21

L62QN21

WITH TEXT

- Green (START)
- Red (STOP)

L61QN21A

L62QN21A

L62QN21

Operator Heads: ϕ 22mm

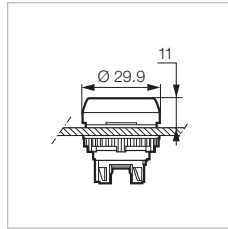
▶ MAINTAINED - ILLUMINATED

 Technical Info (p. 103)

FLUSH

Chrome Bezel
Part Number

Black Bezel
Part Number



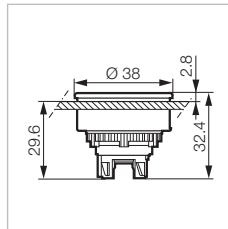
- Red
- Green
- Yellow
- White
- Blue

L21CH10
L21CH20
L21CH40
L21CH50
L21CH60

L22CH10
L22CH20
L22CH40
L22CH50
L22CH60

L21CH20

SUPER FLUSH



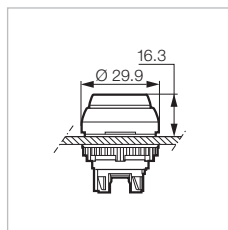
Metal chrome bezel
Panel Cut-out ϕ 30 mm

- Red
- Green
- Yellow
- White
- Blue

L23CH10
L23CH20
L23CH40
L23CH50
L23CH60

L23CH10

PROJECTING



- Red
- Green
- Yellow
- White
- Blue

L21CK10
L21CK20
L21CK40
L21CK50
L21CK60

L22CK10
L22CK20
L22CK40
L22CK50
L22CK60

L21CK20

Operator Heads: \varnothing 22MM

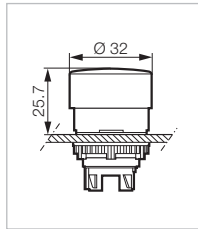
 Technical Info (p. 103)

► MAINTAINED - ILLUMINATED

\varnothing 32 MUSHROOM

Push-turn to reset

Black Bezel
Part Number



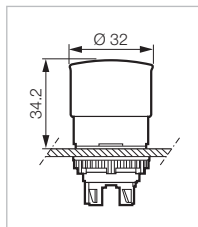
- Red
- Green
- Yellow

L22EL10
L22EL20
L22EL40

L22EL10

\varnothing 32 MUSHROOM

Push-pull to reset



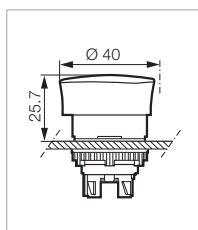
- Red

L22DL10

L22DL10

\varnothing 40 MUSHROOM

Push-turn to reset



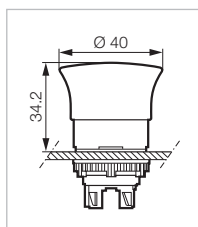
- Red
- Green
- Yellow

L22EM10
L22EM20
L22EM40

L22EM10

\varnothing 40 MUSHROOM

Push-pull to reset



- Red
- Green
- Yellow
- White

L22DM10
L22DM20
L22DM40
L22DM50

L22DM10

Operator Heads: Ø 22MM

 Technical Info (p. 103)

EMERGENCY STOP MAINTAINED - ILLUMINATED

Ø 40 EN 418 / ISO 13850

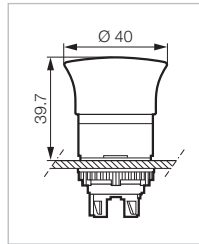
Push-pull to reset

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:
EN 418 / ISO 13850

● Red

L22DN10

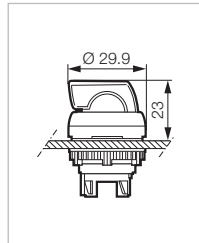
SELECTOR SWITCHES - ILLUMINATED

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




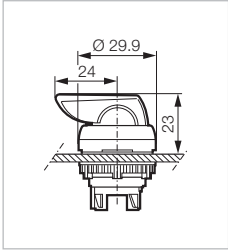




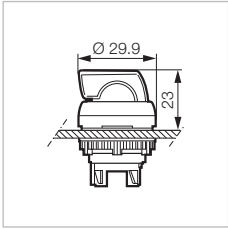





L21KM10
L21KM20
L21KM30

L22KM10
L22KM20
L22KM30

Operator Heads: \varnothing 22MM

 Technical Info (p. 103)

▶ SELECTOR SWITCHES - ILLUMINATED

WITH LEVER HANDLE		2 positions	Chrome Bezel Part Number	Black Bezel Part Number	
 <p>L21KV30</p>		Maintained positions - 45°			
		<ul style="list-style-type: none"> ● Black 		L21KV30	L22KV30
		Maintained positions - 45°			
		<ul style="list-style-type: none"> ● Black 		L21KX30	L22KX30
		Spring return - 45°			
		<ul style="list-style-type: none"> ● Black 		L21KY30	L22KY30
WITH HANDLE		3 positions			
 <p>L21ME10</p>		Maintained positions - 45°			
		<ul style="list-style-type: none"> ● Red ● Green ● Black 		L21ME10 L21ME20 L21ME30	L22ME10 L22ME20 L22ME30
		Spring return from left to 0 - 45°			
		<ul style="list-style-type: none"> ● Red ● Green ● Black 		L21MF10 L21MF20 L21MF30	L22MF10 L22MF20 L22MF30
		Spring return from right to 0 - 45°			
		<ul style="list-style-type: none"> ● Red ● Green ● Black 		L21MG10 L21MG20 L21MG30	L22MG10 L22MG20 L22MG30
		Spring return to 0 - 45°			
		<ul style="list-style-type: none"> ● Red ● Green ● Black 		L21MH10 L21MH20 L21MH30	L22MH10 L22MH20 L22MH30
		Maintained positions - 90°			
		<ul style="list-style-type: none"> ● Red ● Green ● Black 		L21MJ10 L21MJ20 L21MJ30	L22MJ10 L22MJ20 L22MJ30

Operator Heads: \varnothing 22mm

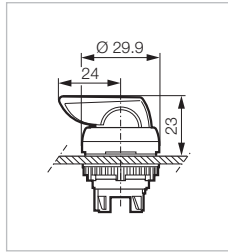
 Technical Info (p. 103)

▶ SELECTOR SWITCHES - ILLUMINATED

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



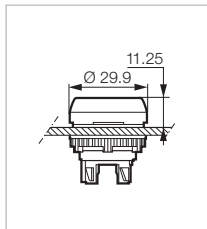
L21MP30

L22MP30

▶ PILOT LIGHTS - HEAD ONLY



L20SE20



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

- Red
- Green
- Yellow
- White
- Blue

L20SE10
L20SE20
L20SE40
L20SE50
L20SE60

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
- Yellow
- White
- Blue

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

Operator Heads: \varnothing 22mm

 Technical Info (p. 103)

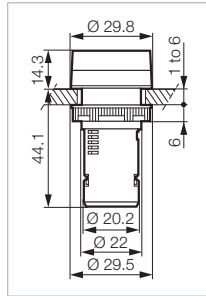
▶ ONE-PIECE PILOT LIGHTS

SUPPLIED WITHOUT BULB

Part Number



L20SA40



Ribbed Lens

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

- L20SA10
- L20SA20
- L20SA30
- L20SA40
- L20SA50
- L20SA60

Smooth Lens

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
- Clear
- Yellow
- White
- Blue

- L20SA31|_|_|
- L20SA32|_|_|
- L20SA33|_|_|
- L20SA34|_|_|
- L20SA35|_|_|
- L20SA36|_|_|

▶ LED BULBS

FOR USE WITH ONE-PIECE PILOT LIGHTS

Voltage/Color

Part Number

Voltage/Color

Part Number



LED120R

6 Vac/dc

- Red LED006R
- Green LED006G
- Yellow LED006Y
- White LED006W
- Blue LED006B

120 Vac

- Red LED120R
- Green LED120G
- Yellow LED120Y
- White LED120W
- Blue LED120B

12 Vac/dc

- Red LED012R
- Green LED012G
- Yellow LED012Y
- White LED012W
- Blue LED012B

240Vac

- Red LED230R
- Green LED230G
- Yellow LED230Y
- White LED230W
- Blue LED230B

24 Vac/dc

- Red LED024R
- Green LED024G
- Yellow LED024Y
- White LED024W
- Blue LED024B

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

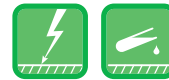


► BLOCK

"Imaginatively designed to be safe, robust and durable"

► MATERIAL

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



► ENVIRONMENT

- Respect for the environment, RoHS compliant



- 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

- 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

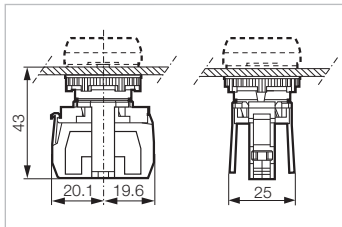
 Technical Info (p. 103)

▶ CONTACT BLOCKS - FOR NON-ILLUMINATED HEADS

SCREW TERMINALS

1 position clip

Part Number



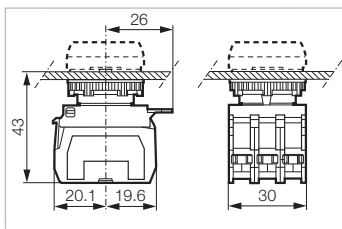
331E10

331E01

331E10

SCREW TERMINALS

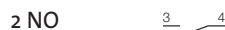
3 position clip



333E10



333E01



333E20



333E02



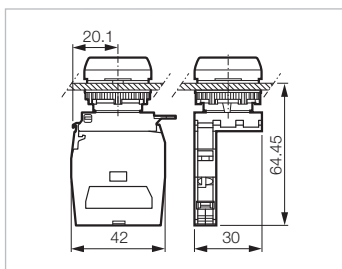
333E11



333E30



333E03



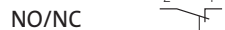
NO/NC



333E21



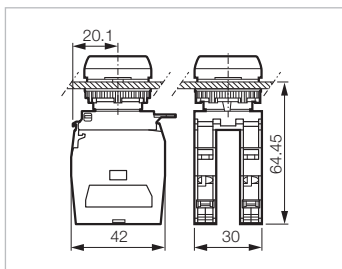
333E12



334E11



334E22



2 NO/NC

Separate units: Blocks sub-assemblies

 Technical Info (p. 103)

▶ CONTACT BLOCKS - FOR NON-ILLUMINATED HEADS

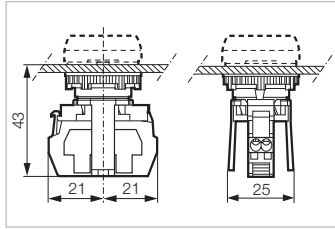
PLUG-IN TERMINALS

1 position clip

Part Number



331ER01



331ER10

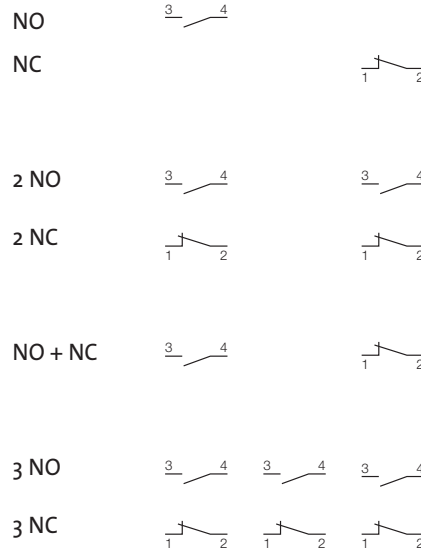
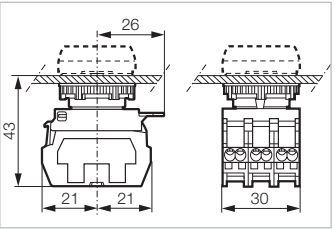
331ER01

PLUG-IN TERMINALS

3 position clip



333ER11



333ER10

333ER01

333ER20

333ER02

333ER11

333ER30

333ER03

Separate units: Blocks sub-assemblies

 Technical Info (p.103)

▶ CONTACT BLOCKS - FOR NON-ILLUMINATED HEADS

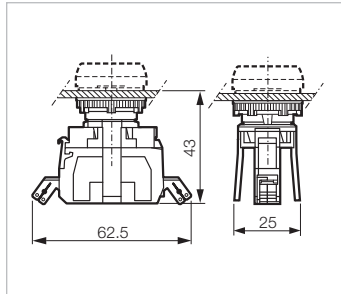
FASTON TERMINALS

1 position clip

Part Number



331ED10



331ED10

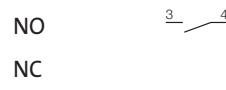
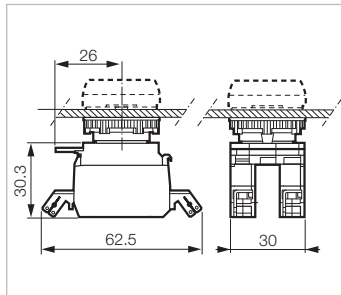
331ED01

FASTON TERMINALS

3 position clip



333ED20



333ED10

333ED01



333ED20

333ED02



333ED11



333ED30



333ED03

Separate units: Blocks sub-assemblies

 Technical Info (p. 103)

▶ CONTACT BLOCKS - FOR ILLUMINATED HEADS

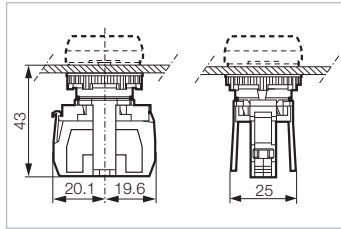
SCREW TERMINALS

1 position clip: LED block

Part Number



331EAGL



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

- 331EAWL
- 331EARL
- 331EAGL
- 331EABL
- 331EAYL

130 Vac

- White
- Red
- Green
- Blue
- Yellow

- 331EAWM
- 331EARM
- 331EAGM
- 331EABM
- 331EAYM

230 Vac

- White
- Red
- Green
- Blue
- Yellow

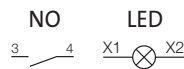
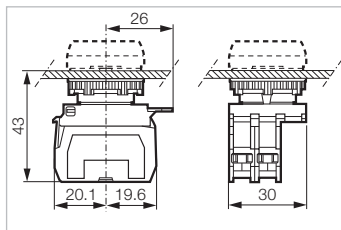
- 331EAWH
- 331EARH
- 331EAGH
- 331EABH
- 331EAYH

SCREW TERMINALS

3 position clip: NO + LED block



333EAWM10



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

 Technical Info (p.103)

▶ CONTACT BLOCKS - FOR ILLUMINATED HEADS

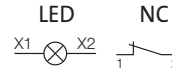
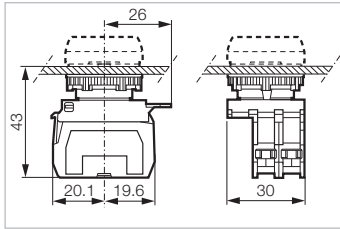
SCREW TERMINALS

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

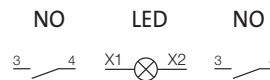
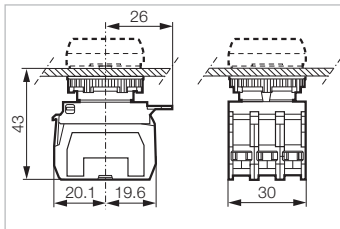
- 333EAWH01
- 333EARH01
- 333EAGH01
- 333EABH01
- 333EAYH01

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

 Technical Info (p. 103)

▶ CONTACT BLOCKS - FOR ILLUMINATED HEADS

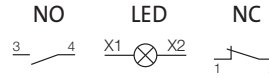
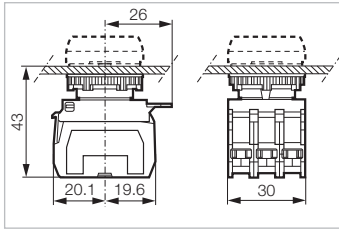
SCREW TERMINALS

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

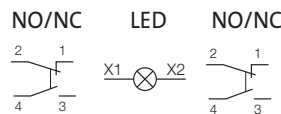
- 333EAWH11
- 333EARH11
- 333EAGH11
- 333EABH11
- 333EAYH11

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

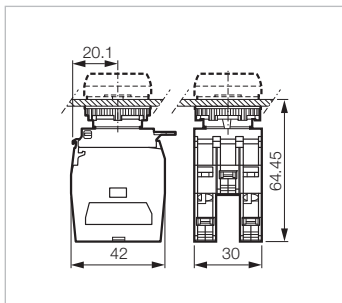
- White
- Red
- Green
- Blue
- Yellow

- 334EAWM22
- 334EARM22
- 334EAGM22
- 334EABM22
- 334EAYM22

230 Vac

- White
- Red
- Green
- Blue
- Yellow

- 334EAWH22
- 334EARH22
- 334EAGH22
- 334EABH22
- 334EAYH22



Separate units: Blocks sub-assemblies

 Technical Info (p. 103)

▶ CONTACT BLOCKS - FOR ILLUMINATED HEADS

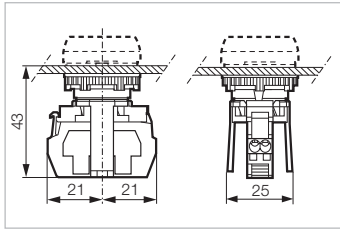
PLUG-IN TERMINALS

1 position clip: LED block

Part Number



331ERAGH



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

- 331ERAWL
- 331ERARL
- 331ERAGL
- 331ERABL
- 331ERAYL

130 Vac

- White
- Red
- Green
- Blue
- Yellow

- 331ERAWM
- 331ERARM
- 331ERAGM
- 331ERABM
- 331ERAYM

230 Vac

- White
- Red
- Green
- Blue
- Yellow

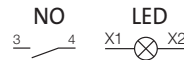
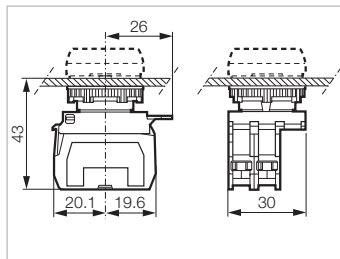
- 331ERAWH
- 331ERARH
- 331ERAGH
- 331ERABH
- 331ERAYH

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

 Technical Info (p. 103)

▶ CONTACT BLOCKS - FOR ILLUMINATED HEADS

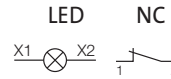
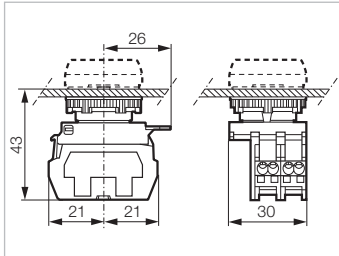
PLUG-IN TERMINALS

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

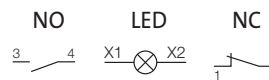
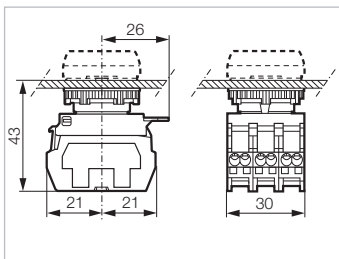
333ERAWH01
333ERARH01
333ERAGH01
333ERABH01
333ERAYH01

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

 Technical Info (p.103)

▶ CONTACT BLOCKS - FOR ILLUMINATED HEADS

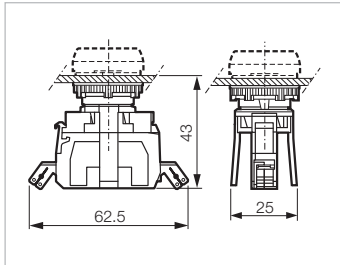
FASTON TERMINALS

1 position clip: LED block

Part Number



331EDARL



12/24 Vac/Vdc

- White
- Red
- Green
- Blue
- Yellow

- 331EDAWL
- 331EDARL
- 331EDAGL
- 331EDABL
- 331EDAYL

130 Vac

- White
- Red
- Green
- Blue
- Yellow

- 331EDAWM
- 331EDARM
- 331EDAGM
- 331EDABM
- 331EDAYM

230 Vac

- White
- Red
- Green
- Blue
- Yellow

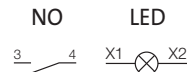
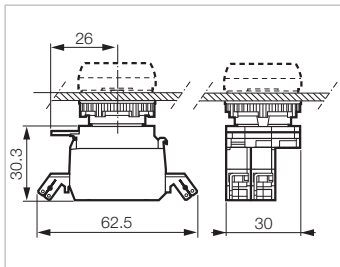
- 331EDAWH
- 331EDARH
- 331EDAGH
- 331EDABH
- 331EDAYH

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. 103)

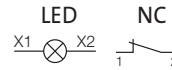
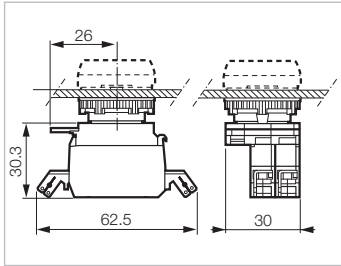
FASTON TERMINALS

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

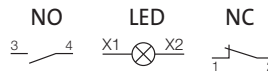
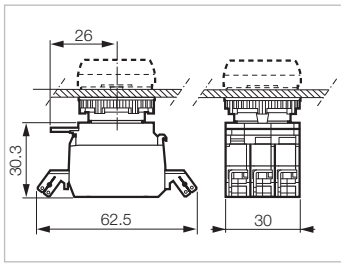
- 333EDAWH01
- 333EDARH01
- 333EDAGH01
- 333EDABH01
- 333EDAYH01

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

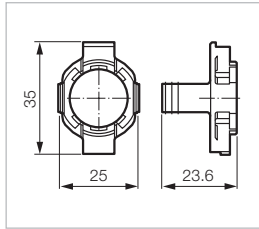
► CLIPS

 Technical Info (p.103)

CLIPS Part Number



331E



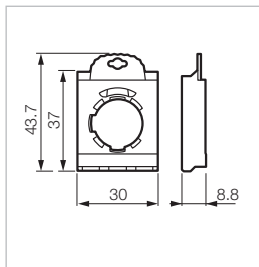
To be combined with blocks (p. 64 to 70)

1 position

331E

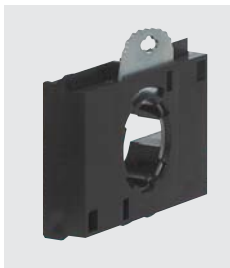


333E

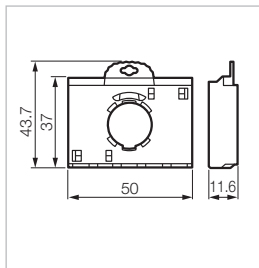


3 positions

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

 Technical Info (p. 103)

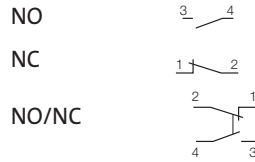
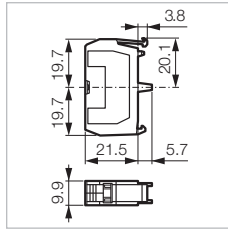
▶ CONTACT BLOCKS

SCREW TERMINALS

Part Number



33E10



33E10

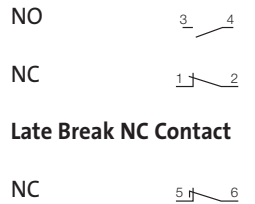
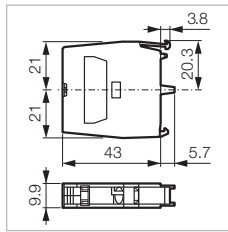
33E01

33E11

Gold plated contacts
for low current applications



33E11



33E10Y7

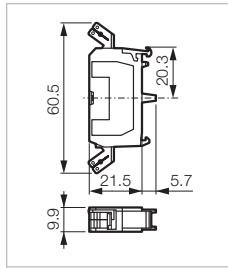
33E01Y7

33E01C

FASTON TERMINALS



33D01



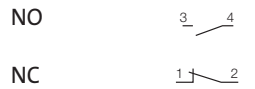
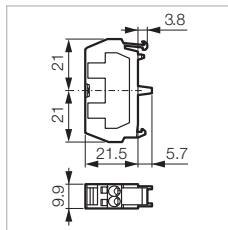
33D10

33D01

PLUG-IN TERMINALS



33R01



33R10

33R01

Separate units: Blocks

▶ CONTACT BLOCKS

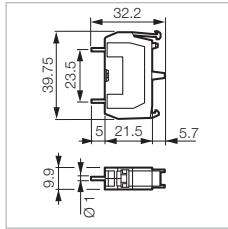
 Technical Info (p. 103)

FOR PCB (PIN-STYLE TERMINALS)

Part Number



33P10



NO 

33P10

NC 

33P01

Gold plated contacts
for low current applications

NO 

33P10Y7

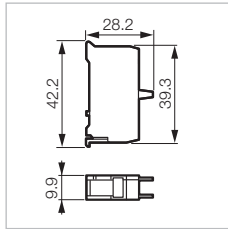
NC 

33P01Y7

FOR CONTROL STATIONS (SCREW TERMINALS)



33S01



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

NO 

33S10

NC 

33S01

Separate units: Blocks

▶ LED BLOCKS

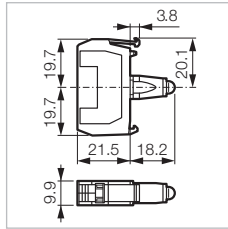
 Technical Info (p. 103)

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

Separate units: Blocks

▶ LED BLOCKS

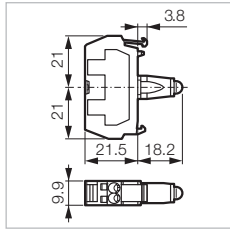
 Technical Info (p.103)

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

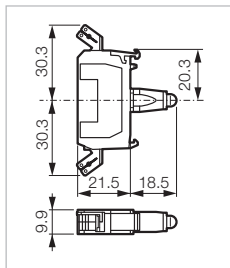
- White
- Red
- Green
- Blue
- Yellow

- 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

 Technical Info (p. 103)

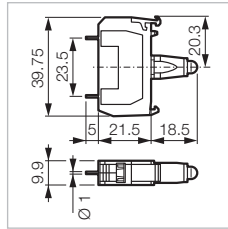
▶ LED BLOCKS

FOR PCB (PIN STYLE)

Part Number



33PAWL



12/24 Vac/Vdc

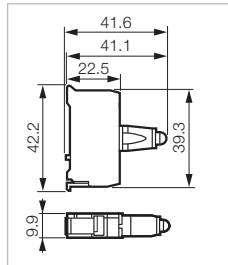
- White
- Red
- Green
- Blue
- Yellow

- 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

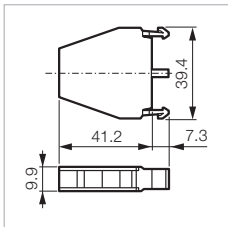
Separate units: Blocks

► SPECIFIC BLOCKS

 Technical Info (p.103)

FOR JOYSTICKS (SCREW TERMINALS)

Part Number



Joysticks (p. 44)

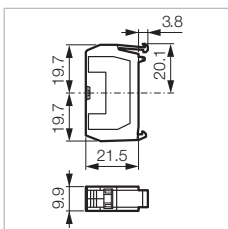
NO/NC



LM11

LM11

LAMP-TEST BLOCKS (SCREW TERMINALS)



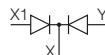
For 24 and 48 V

1 diode



33ET

2 diodes



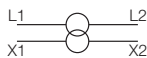
33ETT

33ET

TRANSFORMER BLOCKS (SCREW TERMINALS)

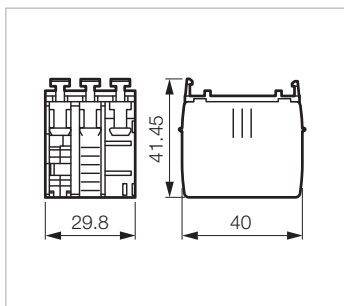


230/24 V
400/24V



33EHC
33ELC

33EHC



Separate units: Blocks

 Technical Info (p. 103)

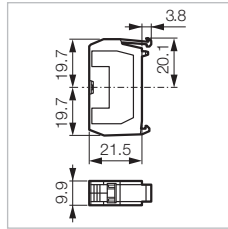
► SPECIFIC BLOCKS

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

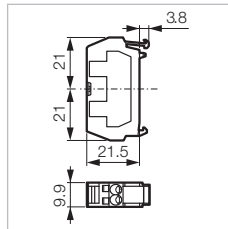


33EFM
33EFH

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

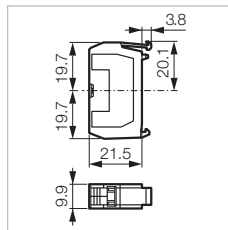


33RFM
33RFH

JUNCTION BLOCK (SCREW TERMINALS)



33EY



2 interconnected
terminals

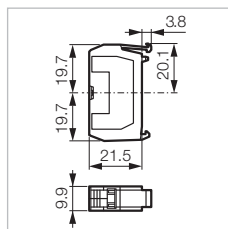


33EY

EMPTY BLOCK



33EX



For empty positions on 3 or 5 position clip

33EX

Accessories: ø 22mm

▶ 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
LWE90900

NOTES:

- 1) Custom diameters and engravings available please contact us for details.
- 2) Contact us for use with guards on page 86.

METAL LEGEND PLATES (22.4mm diameter hole)



LWE16300

Metal - Yellow with black lettering

60mm diameter

EMERGENCY STOP
ARRET D'URGENCE
NOT AUS

LWE16300
LWE16100
LWE16200

80mm diameter

EMERGENCY STOP
ARRET D'URGENCE
NOT AUS

LWE00300
LWE00100
LWE00200

Accessories: ϕ 22MM

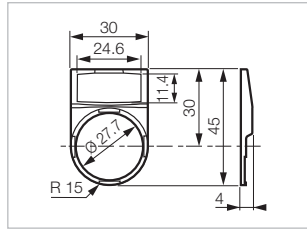
▶ COMPLETE LEGEND PLATES (FRAME + INSERT)

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
- Black
- White
- Alu

LWP31
LWP33
LWP35
LWP39

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 - white engraving
- Black - white engraving
- White - black engraving
- Alu - black engraving

LWP31□□□
LWP33□□□
LWP35□□□
LWP39□□□

PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...)

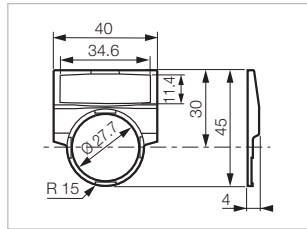
- Transparent

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
- Black
- White
- Alu

LWG31
LWG33
LWG35
LWG39

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 - white engraving
- Black - white engraving
- White - black engraving
- Alu - black engraving

LWG31□□□
LWG33□□□
LWG35□□□
LWG39□□□


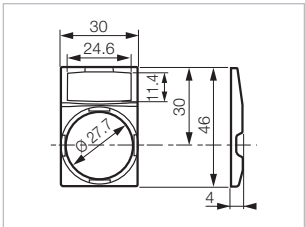
PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...)


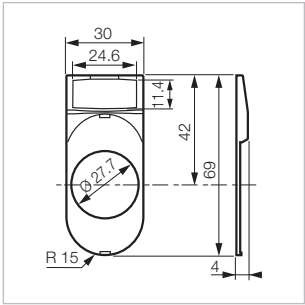
- Transparent

LWG37

Accessories: \varnothing 22mm

► COMPLETE LEGEND PLATES (FRAME + INSERT)

Standard model - 30 x 46 mm		Part Number
		
LWP45	<p>Square shape Black frame and legend plate unassembled 2 lines maximum, 13 characters per line</p> <p>WITHOUT ENGRAVING</p> <ul style="list-style-type: none"> ● Red ● Black ○ White ● Alu <p>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.</p> <ul style="list-style-type: none"> ● Red - white engraving ● Black - white engraving ○ White - black engraving ● Alu - black engraving <p>PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...)</p> <ul style="list-style-type: none"> ○ Transparent 	<p>LWP41</p> <p>LWP43</p> <p>LWP45</p> <p>LWP49</p> <p>LWP41□□□</p> <p>LWP43□□□</p> <p>LWP45□□□</p> <p>LWP49□□□</p> <p>LWP47</p>

Standard model - 30 x 69 mm		Part Number
		
LWP29381	<p>60 Round shape for Twin and Triple Touch operators Black frame and legend plate unassembled 2 lines maximum, 13 characters per line</p> <p>WITHOUT ENGRAVING</p> <ul style="list-style-type: none"> ● Red ● Black ○ White ● Alu <p>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.</p> <ul style="list-style-type: none"> ● Red - white engraving ● Black - white engraving ○ White - black engraving ● Alu - black engraving <p>PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...)</p> <ul style="list-style-type: none"> ○ Transparent 	<p>LWP21</p> <p>LWP23</p> <p>LWP25</p> <p>LWP29</p> <p>LWP21□□□</p> <p>LWP23□□□</p> <p>LWP25□□□</p> <p>LWP29□□□</p> <p>LWP27</p>

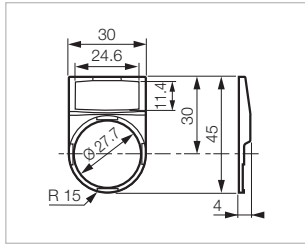
Accessories: ϕ 22MM

► LEGEND PLATES - FRAMES ONLY

ROUND Standard model Part Number



LWP3



For use with standard model legend plate inserts

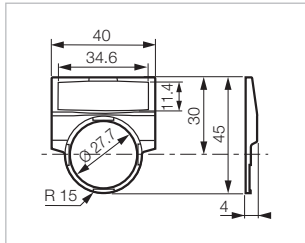
- Black

LWP3

ROUND Large model



LWG3



For use with large model legend plate inserts

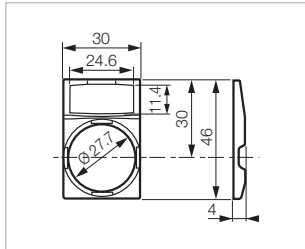
- Black

LWG3

SQUARE Standard model



LWP4



For use with standard model legend plate inserts

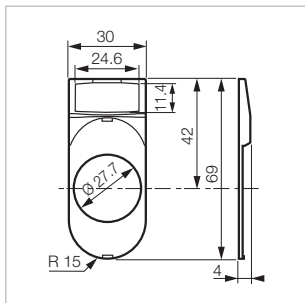
- Black

LWP4

FOR DOUBLE AND TRIPLE TOUCH Standard model



LWP2




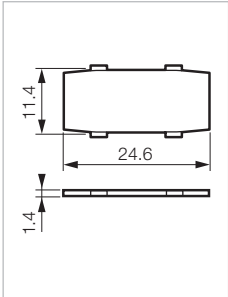

For use with standard model legend plate inserts


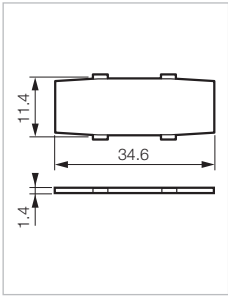

- Black

LWP2

Accessories: Ø 22MM

▶ LEGEND PLATES - INSERTS ONLY

TO BE ENGRAVED	Standard model	Part Number
 LIA5	 <p>2 lines maximum 13 characters per line For use with standard model legend plate frames</p> <p>WITHOUT ENGRAVING</p> <ul style="list-style-type: none"> ● Red ● Black ○ White ● Alu <p>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.</p> <ul style="list-style-type: none"> ● Red - white engraving ● Black - white engraving ○ White - black engraving ● Alu - black engraving <p>PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...)</p> <ul style="list-style-type: none"> ○ Transparent 	LIA1 LIA3 LIA5 LIA9
 LIA1		LIA1□□□ LIA3□□□ LIA5□□□ LIA9□□□

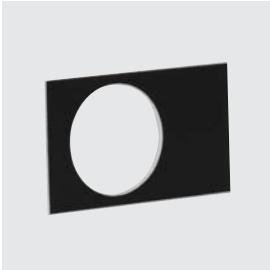
TO BE ENGRAVED	Large model	Part Number
 LIB9	 <p>2 lines maximum 18 characters per line For use with large model legend plate frame</p> <p>Without engraving</p> <ul style="list-style-type: none"> ○ White ● Red ● Alu ● Black <p>WITH TEXT OR SYMBOL (see p. 80 to 83) Code to be added at the end of the part number. For custom text or symbol please contact us.</p> <ul style="list-style-type: none"> ○ White - black engraving ● Red - white engraving ● Alu - black engraving ● Black - white engraving <p>Protective mask for legend plate (paper or other ...)</p> <ul style="list-style-type: none"> ○ Transparent 	LIB5 LIB1 LIB9 LIB3
 LIB3		LIB5□□□ LIB1□□□ LIB9□□□ LIB3□□□

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



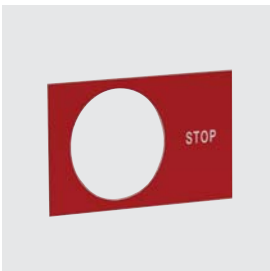
LWB19H301

WITH TEXT (see p. 80 to 83) 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. 80 to 83) FOR VERTICAL MOUNTING

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

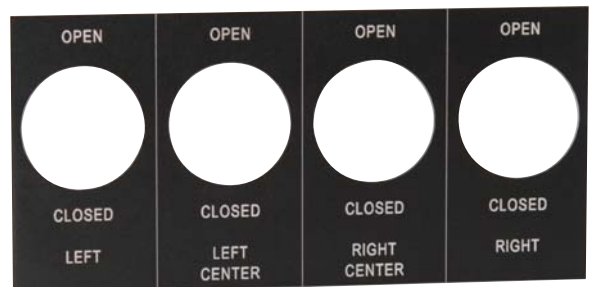
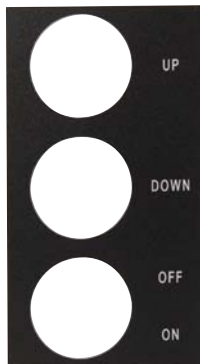
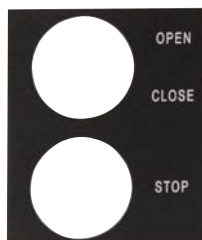
- Red - white engraving
- Black - white engraving
- Yellow - black engraving
- White - black engraving
- Blue - white engraving
- Alu - black engraving

- LWBV11 [] [] [] []
- LWBV13 [] [] [] []
- LWBV14 [] [] [] []
- LWBV15 [] [] [] []
- LWBV16 [] [] [] []
- LWBV19 [] [] [] []

MULTI HOLE LEGEND PLATES

SINGLE PIECE MULTI-HOLE
LEGEND PLATES ARE AVAILABLE

CONTACT US FOR DETAILS.



Accessories: \varnothing 22MM

▶ CUSTOM LEGEND CAPABILITIES

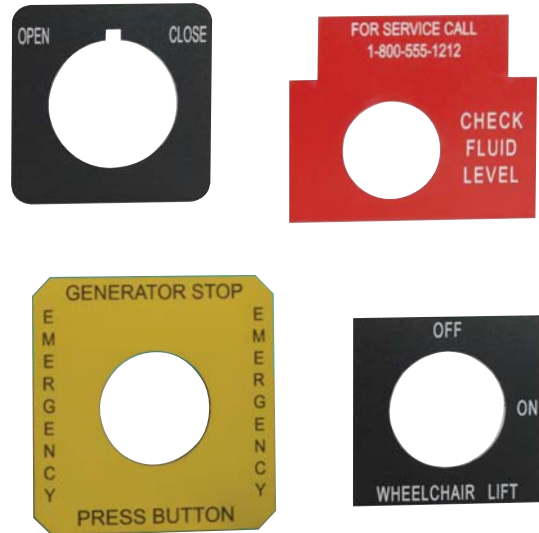
With Multiple Methods We Can Satisfy All Your Custom Legend Needs.

Contact us for more information.

TAMPO PRINTING



LASER ENGRAVING



SILK-SCREENING



Engravings

▶ STANDARD TEXT

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

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

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	

Accessories: ϕ 22MM

► FLUSH PUSHBUTTON CAPS

NON ILLUMINATED

Part Number



LT05

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

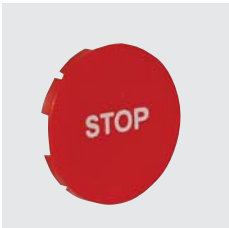
WITHOUT TEXT OR SYMBOL

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

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



LT21302

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. 80 to 83)

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




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



LT34308

Accessories: \varnothing 22mm

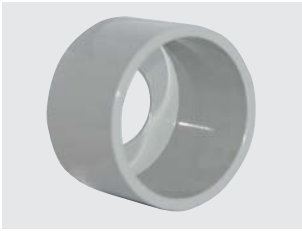
► SHROUDS - REINFORCED DEGREE OF PROTECTION: IP 67

FOR FLUSH PUSH-BUTTONS	Flat Shroud	Part Number
 <p>LWA0252</p>	<input type="radio"/> Transparent	LWA0255
	<input checked="" type="radio"/> Red	LWA0251
	<input checked="" type="radio"/> Green	LWA0252
	<input checked="" type="radio"/> Black	LWA0253
FOR FLUSH OR PROJECTED PUSH-BUTTONS	Domed Shroud	
 <p>LWA0203</p>	<input type="radio"/> Transparent	LWA0228
	<input checked="" type="radio"/> Red	LWA0203
	<input checked="" type="radio"/> Green	LWA0204
	<input checked="" type="radio"/> Black	LWA0205
FOR TWIN TOUCH OR TRIPLE TOUCH OPERATORS		
 <p>LWA0223</p>	For twin touch flush-projecting or triple touch <input type="radio"/> Transparent	LWA0223

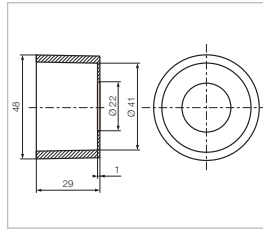
Accessories: ϕ 22MM

► MISCELLANEOUS

GUARD Part Number



LWA0225



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

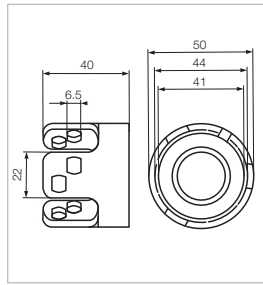
- Grey

LWA0225

PADLOCKABLE GUARD



LWA0240



For maintained mushroom head

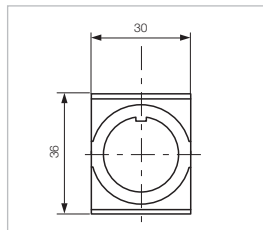
- Yellow

LWA0240

SQUARE FRAME



LWA0230



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

- Black

LWA0230

RELAY TERMINAL (GROUND OR NEUTRAL)



LWA0216

For control station
Base mounted

LWA0216

Accessories: \varnothing 22mm

► MISCELLANEOUS

ANTI-ROTATION CLAW PLATE

Part Number



LWA0237

Metal claw plate

LWA0237

ANTI-ROTATION RING



LWA209

Plastic anti rotation ring - 22mm

LWA0209

BLANKING PLUG



LWA0229

- Black
- Grey

LWA0229
LWA0215

SCREWDRIVER - FOR PLUG IN TERMINAL BLOCKS



45040

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

45040

► MISCELLANEOUS

FIXING TOOL

Part Number



LWA0234

Fixing tool for locking ring - 22mm only

LWA0234

Fixing tool for locking ring - 22mm & 30mm

WA0210

REDUCTION RING Ø 30/22



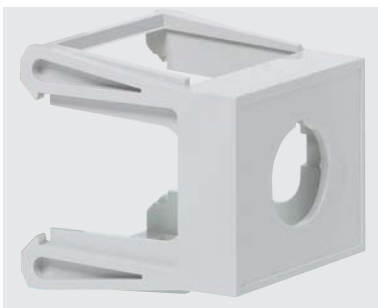
LWA0219

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

For flush or projected push-buttons only

LWA0226

► 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

LOCKING NUT



04006305

Plastic locking nut for 22mm operators

04006305

BULB EXTRACTOR



LWA0201

For BAgS bulbs

LWA0201

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 \varnothing 22

► NON ILLUMINATED



 Technical Info (p. 103)

SPRING RETURN - FLUSH

Part Number



Marking

● Green	NO	
● Red	NC	

START

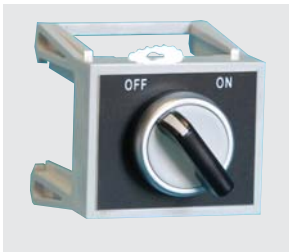
LWA0238-101

STOP


LWA0238-104

LWA0238-101

SELECTOR SWITCH - WITH HANDLE



Marking

● Black	NO	
---------	----	---

OFF ON


LWA0238-401

LWA0238-401

SELECTOR SWITCH - WITH KEY



Marking

● Black	NO	
---------	----	---

OFF ON

LWA0238-402

LWA0238-402

MUSHROOM HEAD \varnothing 40 - MAINTAINED

Push-turn to reset



Marking

● Red	NC	
-------	----	---

EMERGENCY STOP

LWA0238-301

LWA0238-301

Control Stations

solutions...



Control stations with mushroom heads
pre-assembled



Standard Control stations with buttons
1, 2 or 3 buttons



Empty Enclosures
1, 2, 3, 4 or 5 holes



Custom Pre-Assembled Enclosures
1, 2, 3, 4 or 5 holes

► 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

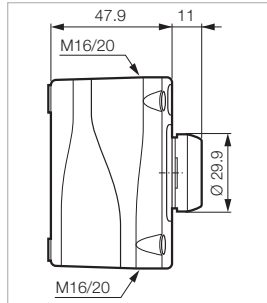
Control Stations \varnothing 22



▶ CONTROL STATIONS - NON-ILLUMINATED

 Technical Info (p. 103)

SPRING RETURN - FLUSH

Part Number



- Green NO 
- Red NC 

Marking

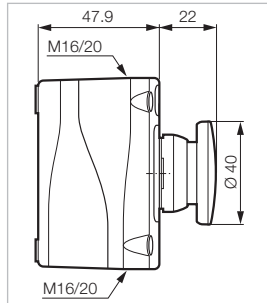
- ⓘ
- ⊙




LBX10110

LBX10610

LBX10110

MUSHROOM HEAD \varnothing 40 - SPRING RETURN



- Green NO 
- Red NC 
- Red NO 

Marking

- ⓘ
- ⊙
- ⊙

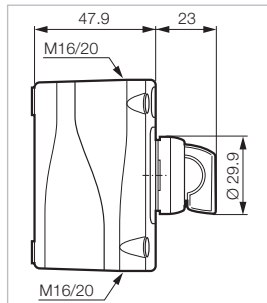
LBX107210

LBX10210


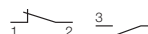

LBX130028

LBX10210

SELECTOR SWITCH - WITH HANDLE



2 Maintained positions - 90°

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

Marking

-
- |
-
- |
-
- |

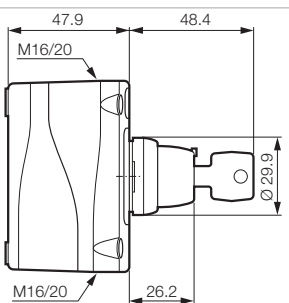
LBX12510

LBX12511

LBX12520


LBX12510

SELECTOR SWITCH - WITH KEY



Supplied with 2 keys profile n° 455

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

- Black NO 

Marking

-
- |

LBX12610

LBX12610

Control Stations \varnothing 22

 Technical Info (p.103)

► CONTROL STATIONS - NON-ILLUMINATED

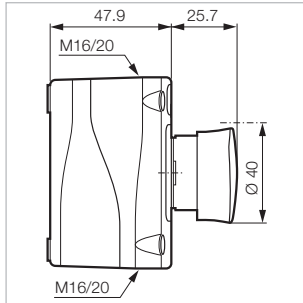
MUSHROOM HEAD \varnothing 40 - MAINTAINED


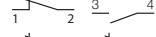
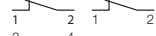

Push-turn to reset

Part Number


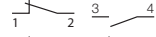
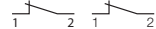


LBX10510



● Red	NC		EMERGENCY STOP	LBX10510
● Red	NC + NO		EMERGENCY STOP	LBX130006
● Red	2 NC		EMERGENCY STOP	LBX130005
● Red	NO		EMERGENCY STOP	LBX130007

WITH STOP STOP STOP TEXT ON BUTTON HEAD

● Red	NC		EMERGENCY STOP	LBX10510S
● Red	NC + NO		EMERGENCY STOP	LBX130010
● Red	2 NC		EMERGENCY STOP	LBX130009



LBX130009

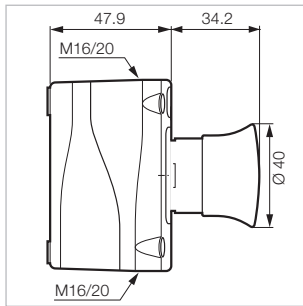
For contact blocks attached to operator please contact us.


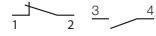
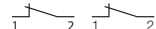
MUSHROOM HEAD \varnothing 40 - MAINTAINED

Push-pull to reset


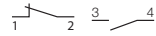
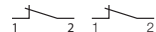


LBX101910



● Red	NC		EMERGENCY STOP	LBX101910
● Red	NC + NO		EMERGENCY STOP	LBX130004
● Red	2 NC		EMERGENCY STOP	LBX130003

WITH STOP STOP STOP TEXT ON BUTTON HEAD

● Red	NC		EMERGENCY STOP	LBX101910S
● Red	NC + NO		EMERGENCY STOP	LBX130074
● Red	2 NC		EMERGENCY STOP	LBX130075



LBX101910S

For contact blocks attached to operator please contact us.

Control Stations \varnothing 22

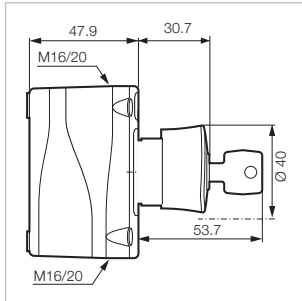
 Technical Info (p. 103)

► CONTROL STATIONS - NON-ILLUMINATED

MUSHROOM HEAD \varnothing 40 - MAINTAINED

Key to reset

Part Number



Supplied with 2 keys profile n° 455

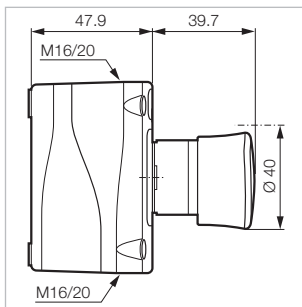
● Red	NC		EMERGENCY STOP	LBX11210
● Red	NC + NO		EMERGENCY STOP	LBX130071
● Red	2 NC		EMERGENCY STOP	LBX130072

For contact blocks attached to operator please contact us.

LBX11210

MUSHROOM HEAD \varnothing 40 EN 418 / ISO 13850

Push-turn to reset



Compliant with the requirements of emergency stop:
EN 418 / ISO 13850

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

LBX17301

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 \varnothing 22

 Technical Info (p. 103)

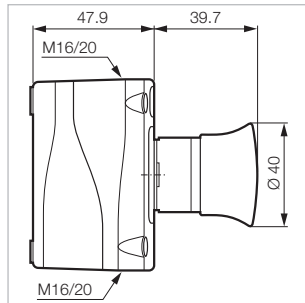
► CONTROL STATIONS - NON-ILLUMINATED

MUSHROOM HEAD \varnothing 40 EN 418 / ISO 13850




Push-pull to reset



LBX15301



Compliant with the requirements of emergency stop:
EN 418 / 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.

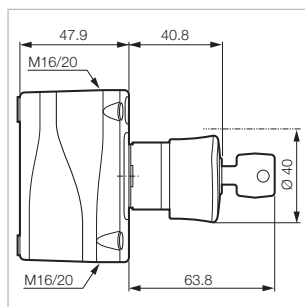
MUSHROOM HEAD \varnothing 40 EN 418 / ISO 13850

Key to reset




Part Number



LBX11302



Compliant with the requirements of emergency stop:
EN 418 / 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.

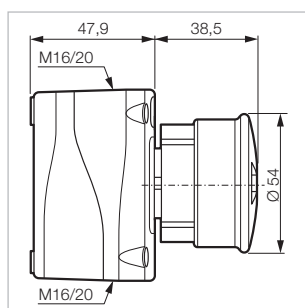
MUSHROOM HEAD \varnothing 54 EN 418 / ISO 13850

Push-pull to reset with flag indicator







Part Number









LBX14201



Compliant with the requirements of emergency stop:
EN 418 / 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 \varnothing 22

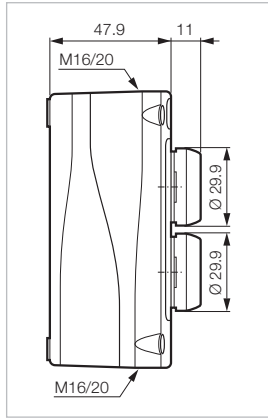
▶ CONTROL STATIONS - NON-ILLUMINATED

 Technical Info (p. 103)

SPRING RETURN - FLUSH



LBX20120



- Green
- Red

- NO
- NC



Marking

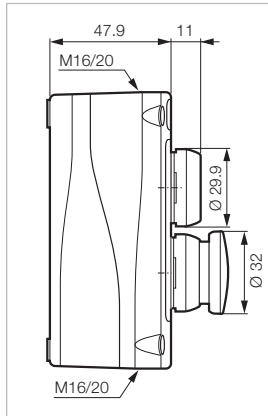


LBX20120

SPRING RETURN - FLUSH/MUSHROOM



LBX210660



- Green
- Red

- NO
- NC



Marking

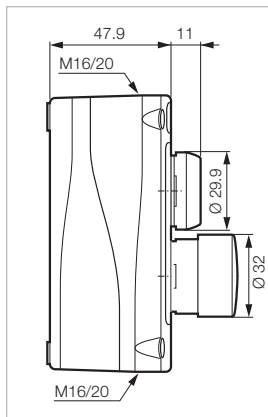


LBX210660

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



LBX210770



- Green
- Red

- NO
- NC



Marking



LBX210770

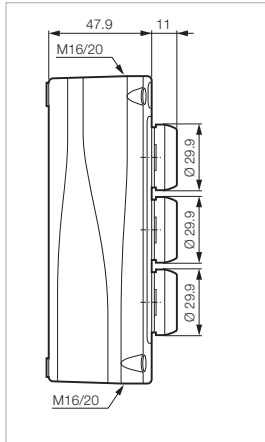
Control Stations \varnothing 22

▶ CONTROL STATIONS - NON-ILLUMINATED

 Technical Info (p. 103)



SPRING RETURN - FLUSH

Part Number



● Red
● Green
● Red

24VAC/DC Pilot Light

NO  3-4
 NC  1-2



Marking



LBX30008

● Red
● Green
● Red

130VAC Pilot Light

NO  3-4
 NC  1-2

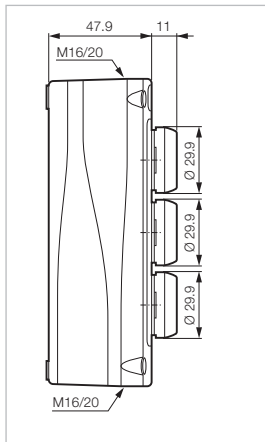
Marking






LBX323870

LBX323870

SPRING RETURN - FLUSH



● Green
● Red
● Green

NO  3-4
 NC  1-2
 NO  3-4

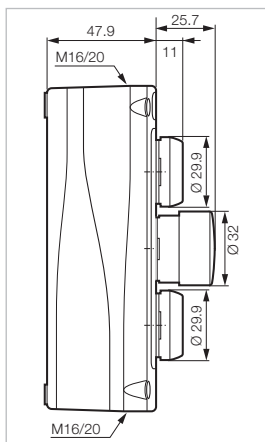
Marking






LBX30430

LBX30430

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



● Green
● Red
● Green

NO  3-4
 NC  1-2
 NO  3-4

Marking



LBX308830

LBX308830

Control Stations Ø 22

▶ EMPTY ENCLOSURES

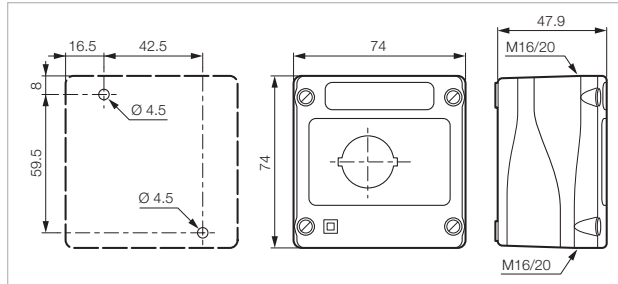
 Technical Info (p. 103)

1 HOLE

Part Number



LBX0100J



Black base

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

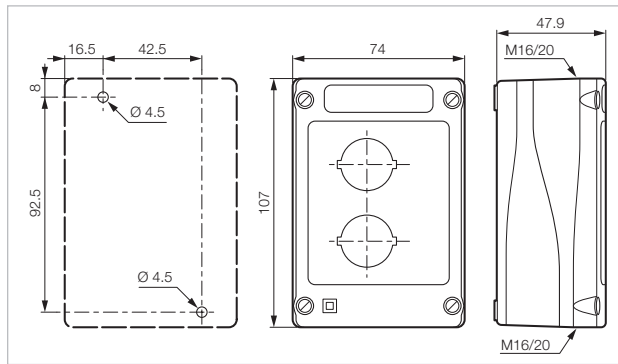
* WITH 'EMERGENCY STOP' TEXT

LBX0100
LBX0100J
LBX0100JB
LBX0100NR

2 HOLES



LBX0200



Black base

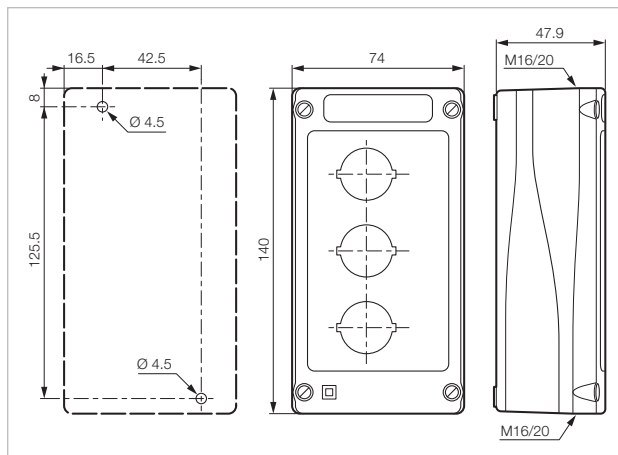
- Grey cover
- Yellow cover

LBX0200
LBX0200J

3 HOLES



LBX0300



Black base

- Grey cover

LBX0300

Control Stations \varnothing 22

▶ EMPTY ENCLOSURES

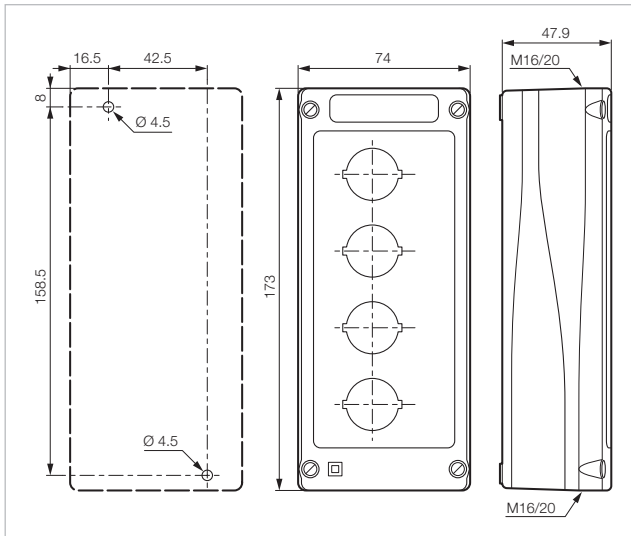
 Technical Info (p. 103)

4 HOLES

Part Number



LBX0400



Black base

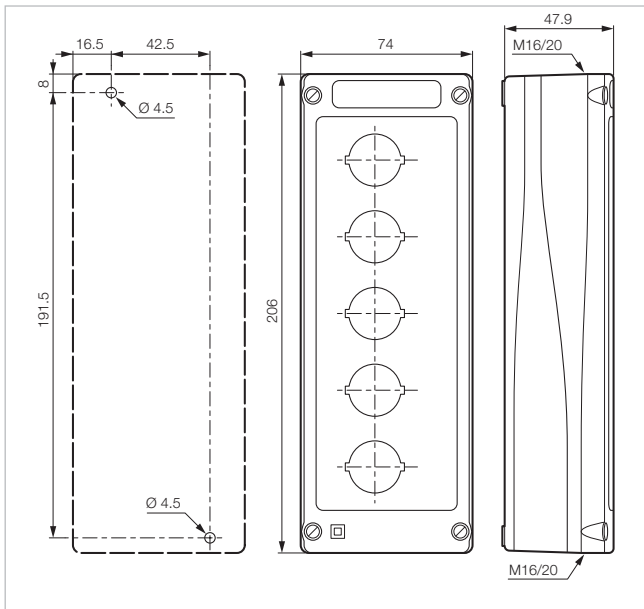
● Grey cover

LBX0400

5 HOLES



LBX0500



Black base

● Grey cover

LBX0500

CABLE GLAND FOR LBX ENCLOSURES



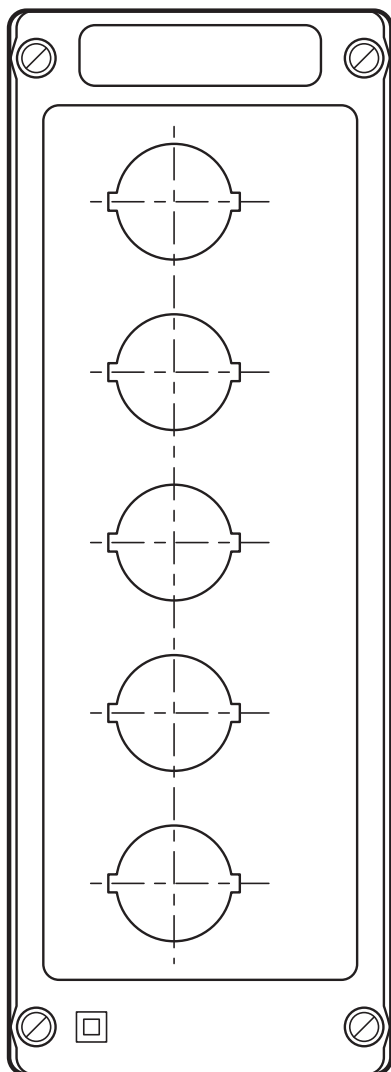
M20-BK

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

► SPECIAL REQUEST FORM

MOUNTING NUMBER OF HOLES	CABLE GLAND	COMMENTS
<p style="font-size: small;">circle number of holes 1 2 3 4 5</p>		<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

DUTY LABEL MARKING <small>(contact us for details)</small>	BLOCKS	SWITCHES	LEGEND PLATES	ENCLOSURE MARKING
---	--------	----------	------------------	----------------------



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

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

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

▶ 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



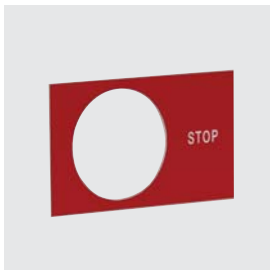
LWB19H301

WITH TEXT (see p. 80 to 83) 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. 80 to 83) FOR VERTICAL MOUNTING

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

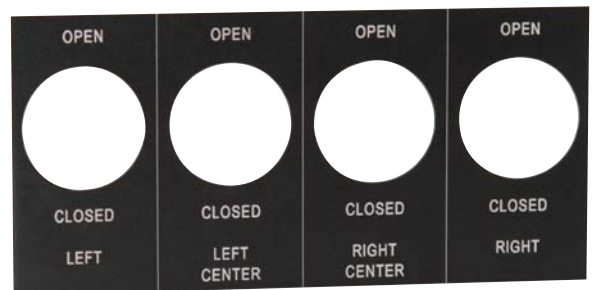
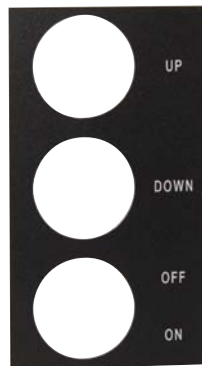
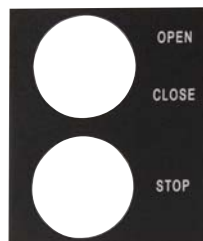
- Red - white engraving
- Black - white engraving
- Yellow - black engraving
- White - black engraving
- Blue - white engraving
- Alu - black engraving

- LWBV11[] [] [] []
- LWBV13[] [] [] []
- LWBV14[] [] [] []
- LWBV15[] [] [] []
- LWBV16[] [] [] []
- LWBV19[] [] [] []

MULTI HOLE LEGEND PLATES

**SINGLE PIECE MULTI-HOLE
LEGEND PLATES ARE AVAILABLE**

CONTACT US FOR DETAILS.

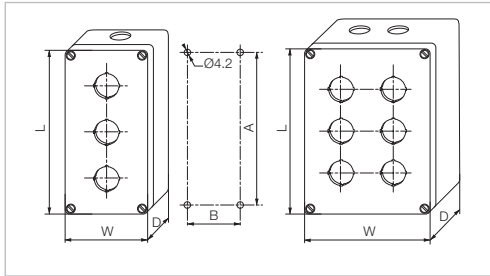


Control Stations ø 22

► 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 PG13-GY	82	80	85	70	50	BPP201
2	1 x PG13-GY	120	80	85	108	50	BPP202
3	1 x PG13-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

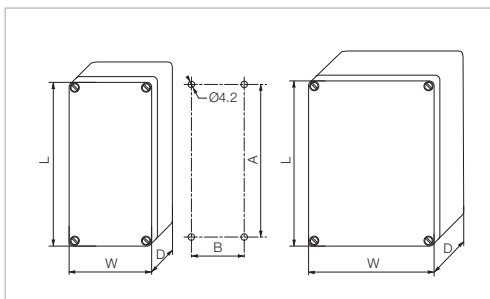
► EMPTY POLYCARBONATE ENCLOSURES



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	
● 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 66 for standard heads IP 67 for shrouded heads IP 66 for equipped control stations IP 20 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 NEMA standard
▶ 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 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	Standards
▶ Mechanical endurance	Spring return: 5,000,000 Push-push: 500,000 Selector switches: 300,000 Mushroom head maintained function EN 418: 10,000 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 - EN 418/ISO 13850:

According to IEC/EN60947-5-5, the emergency stop function can be provided by an EN418/ISO13850 mushroom head combined with a "positive opening" NC contact block.

The mechanism of our EN418/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 and turn or unlocking by key).

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

The EN418/ISO13850 mushroom heads also comply with the safety requirements detailed in standards EN418 and 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 U _{imp} Pollution degree	6kV 3																																							
▶ Conventional thermal current in free air conditions	AC15: 10 A DC13: 2.5 A	IEC 60947-5-1																																						
▶ Electrical ratings	<p>Alternating current AC15 - A 600 U_e = 120 V, I_e = 6 A U_e = 240 V, I_e = 3 A U_e = 380 V, I_e = 1.9 A U_e = 480 V, I_e = 1.5 A U_e = 500 V, I_e = 1.4 A U_e = 600 V, I_e = 1.2 A</p> <p>Minimum operating current - standard blocks U_e = 24 V DC and I_e = 5 mA Failure rate < 10⁻⁸</p> <p>UL508 Alternating Current 50/60Hz - A600 Continuous Current - 10 amps Rated Voltage - 600Vac</p> <table border="1"> <thead> <tr> <th rowspan="2">Voltage</th> <th colspan="2">Max. Amps</th> </tr> <tr> <th>Make</th> <th>Break</th> </tr> </thead> <tbody> <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> </tbody> </table>	Voltage	Max. Amps		Make	Break	72	60	10	120	60	6.0	240	30	3.0	480	15	1.5	600	12	1.2	<p>Direct current DC13 - Q 600 U_e = 125 V, I_e = 0.55 A U_e = 250 V, I_e = 0.27 A U_e = 400 V, I_e = 0.15 A U_e = 500 V, I_e = 0.13 A U_e = 600 V, I_e = 0.1 A</p> <p>- gold plated contacts U_e = 5 V DC and I_e = 1 mA Failure rate < 10⁻⁸</p> <p>Direct Current - Q600 Continuous Current - 2.5 amps Rated Voltage - 600Vdc</p> <table border="1"> <thead> <tr> <th rowspan="2">Voltage</th> <th colspan="2">Max. Amps</th> </tr> <tr> <th>Make</th> <th>Break</th> </tr> </thead> <tbody> <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> </tbody> </table>	Voltage	Max. Amps		Make	Break	24	2.5	2.5	125	0.55	0.55	250	0.27	0.27	301-600	0.10	0.10	IEC 60947-5-1
Voltage	Max. Amps																																							
	Make	Break																																						
72	60	10																																						
120	60	6.0																																						
240	30	3.0																																						
480	15	1.5																																						
600	12	1.2																																						
Voltage	Max. Amps																																							
	Make	Break																																						
24	2.5	2.5																																						
125	0.55	0.55																																						
250	0.27	0.27																																						
301-600	0.10	0.10																																						
▶ Electrical operating life	<p>1 million cycles for: - AC15 - B 300 U_e = 120 V, I_e = 3 A U_e = 240 V, I_e = 1.5 A</p> <p>- DC13 - R 300 U_e = 125 V, I_e = 0.22 A U_e = 250 V, I_e = 0.1 A</p>																																							
▶ Applicable wire sizes	<p>Rigid or flexible wire without ferrule: 0.5 mm² to 2 x 2.5 mm² Rigid or flexible wire with ferrule: 0.5 mm² to 2 x 1.5 mm²</p>																																							

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 withstanding 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	<p>Alternating current AC15 - A 300 Ue = 120 V, Ie = 6 A Ue = 240 V, Ie = 3 A</p> <p>Direct current DC13 - Q 300 Ue = 125 V, Ie = 0.55 A Ue = 250 V, Ie = 0.27 A</p> <p>Minimum current of use Ue = 24 V DC and Ie = 5 mA Failure rate < 10⁻⁸</p> <p>UL508</p> <table border="0"> <tr> <td colspan="3">Alternating Current 50/60Hz - A300</td> <td colspan="3">Direct Current - Q300</td> </tr> <tr> <td colspan="3">Continuous Current - 10 amps</td> <td colspan="3">Continuous Current - 2.5 amps</td> </tr> <tr> <td colspan="3">Rated Voltage - 300Vac</td> <td colspan="3">Rated Voltage - 300Vdc</td> </tr> <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>	Alternating Current 50/60Hz - A300			Direct Current - Q300			Continuous Current - 10 amps			Continuous Current - 2.5 amps			Rated Voltage - 300Vac			Rated Voltage - 300Vdc				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
Alternating Current 50/60Hz - A300			Direct Current - Q300																																															
Continuous Current - 10 amps			Continuous Current - 2.5 amps																																															
Rated Voltage - 300Vac			Rated Voltage - 300Vdc																																															
	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																																													
▶ Electrical operating life	<p>1 million cycles for:</p> <p>- AC15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1.5 A</p> <p>- DC13 - R 300 Ue = 125 V, Ie = 0.22 A Ue = 250 V, Ie = 0.1 A</p>																																																	
▶ 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 withstanding 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	<p>Alternating current AC 15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1.5 A</p> <p>Direct current DC13 - R 300 Ue = 125 V, Ie = 0.22 A Ue = 250 V, Ie = 0.1 A</p> <p>Minimum current of use - standard blocks Ue = 24 V DC and Ie = 5 mA Failure rate < 10⁻⁸</p> <p>- golden contacts Ue = 5 V DC and Ie = 1 mA Failure rate < 10⁻⁸</p> <p>UL508 Alternating Current 50/60Hz - B300 Continuous Current - 5 amps Rated Voltage - 300Vac</p> <p>Direct Current - R300 Continuous Current - 1 amp Rated Voltage - 300Vdc</p> <table border="1"> <thead> <tr> <th rowspan="2">Voltage</th> <th colspan="2">Max. Amps</th> <th rowspan="2">Voltage</th> <th colspan="2">Max. Amps</th> </tr> <tr> <th>Make</th> <th>Break</th> <th>Make</th> <th>Break</th> </tr> </thead> <tbody> <tr> <td>72</td> <td>30</td> <td>5.0</td> <td>24</td> <td>1.0</td> <td>1.0</td> </tr> <tr> <td>120</td> <td>30</td> <td>3.0</td> <td>125</td> <td>0.22</td> <td>0.22</td> </tr> <tr> <td>240</td> <td>15</td> <td>1.5</td> <td>250</td> <td>0.11</td> <td>0.11</td> </tr> </tbody> </table>	Voltage	Max. Amps		Voltage	Max. Amps		Make	Break	Make	Break	72	30	5.0	24	1.0	1.0	120	30	3.0	125	0.22	0.22	240	15	1.5	250	0.11	0.11	IEC 60947-5-1 IEC 60947-5-4
Voltage	Max. Amps		Voltage	Max. Amps																										
	Make	Break		Make	Break																									
72	30	5.0	24	1.0	1.0																									
120	30	3.0	125	0.22	0.22																									
240	15	1.5	250	0.11	0.11																									
▶ Electrical operating life	<p>1 million cycles for: - AC15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1.5 A</p> <p>- DC13 - R 300 Ue = 125 V, Ie = 0.22 A Ue = 250 V, Ie = 0.1 A</p>																													
▶ Pin diameter	∅ 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%	

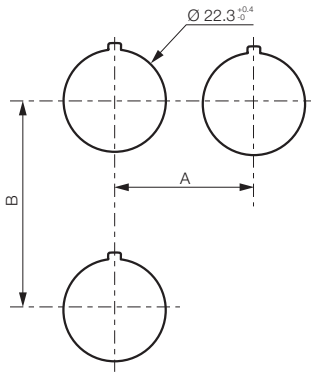
▶ ONE PIECE PILOT LIGHT BA9S

Characteristics	Data	
▶ Rated insulation voltage	400 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

Technical Specifications

▶ PANEL CUT-OUT

DRILLING

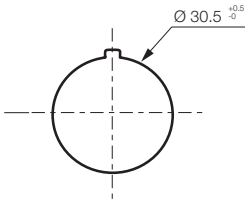


For heads equipped with electrical blocks with screw or plug-in terminals

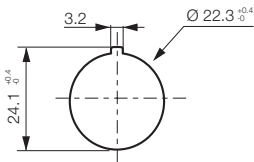
Minimum interval (mm)

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

DRILLING FOR SUPER-FLUSH BUTTON

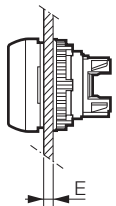


DRILLING WHEN USING THE ANTI-ROTATION RING (OPTIONAL)



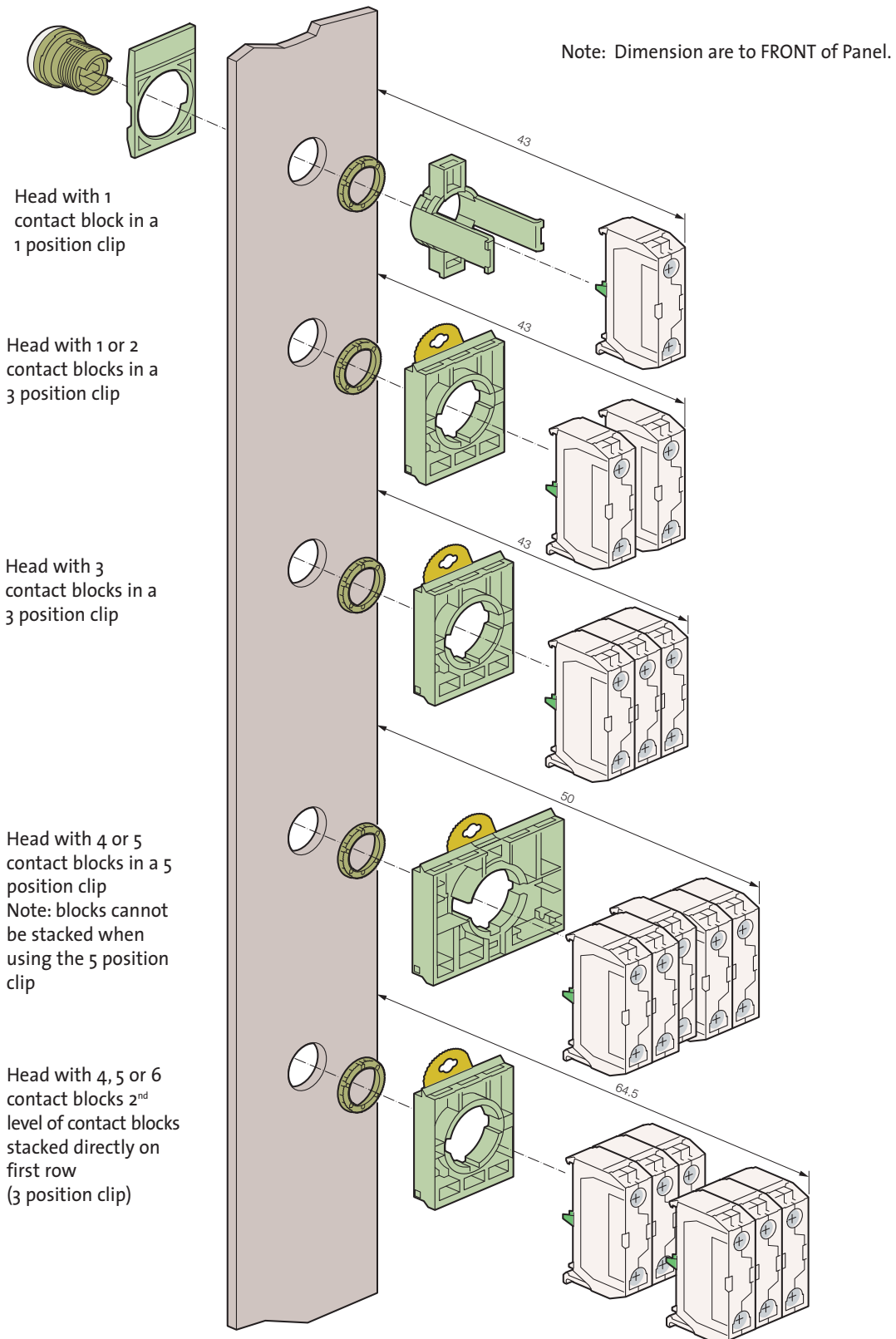
THICKNESS OF PANEL (E)

E = 1 to 6 mm



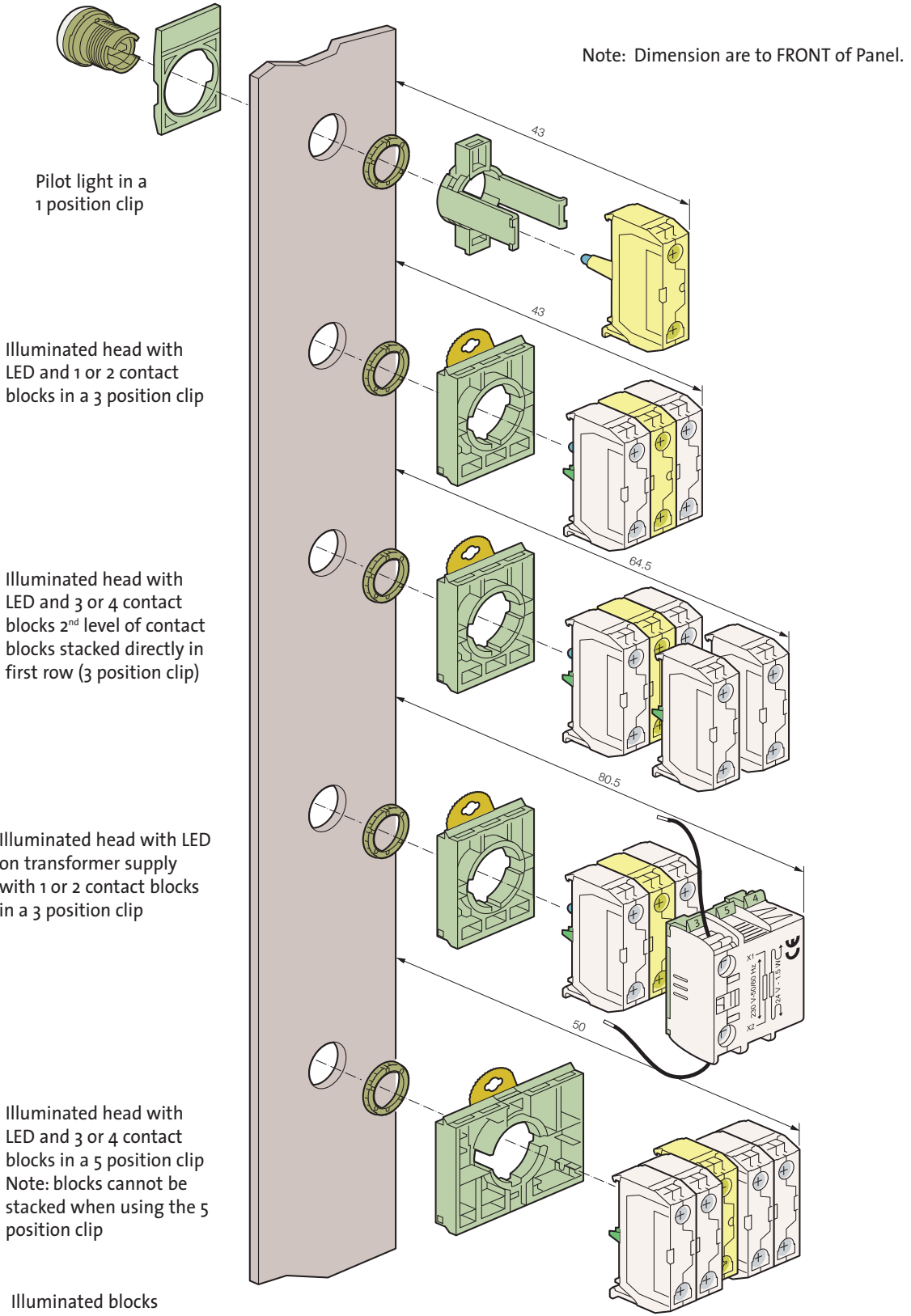
Technical Specifications

NON-ILLUMINATED



Technical Specifications

ILLUMINATED

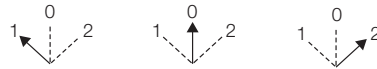


Technical Specifications

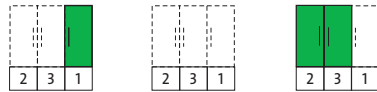
MECHANICAL OPERATION

For 3 position selector switches

Handle position
(view from front of panel)



Contacts block actuation
(clip position)



Non operated block



Operated block



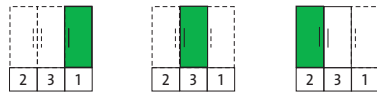
MECHANICAL OPERATION

For twin/triple touch switches

Operator View
(highlighted button is depressed)



Contacts block actuation
(clip position)



Non operated block



Operated block



MECHANICAL OPERATION

For Joysticks

2 position

A
O
B

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

4 position

A
C-O-D
B

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

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

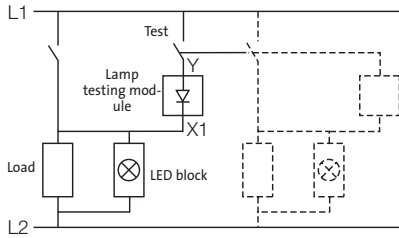
FOUR BLOCK CLIP (LME5)						
LM11 in Clip Location	Terminal Numbers	Position				
		A	B	O	C	D
1	3-4	O	O	O	O	X
	1-2	O	O	O	X	O
2	3-4	O	X	O	O	O
	1-2	X	O	O	O	O
3	3-4	O	O	O	O	X
	1-2	O	O	O	X	O
4	3-4	O	X	O	O	O
	1-2	X	O	O	O	O

Technical Specifications

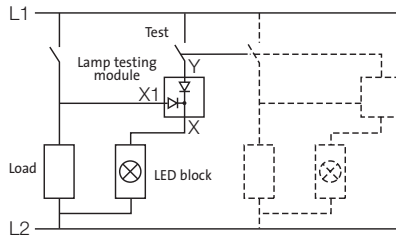
▶ DIAGRAMS

PUSH-TO-TEST LED PILOT LIGHT DIAGRAMS

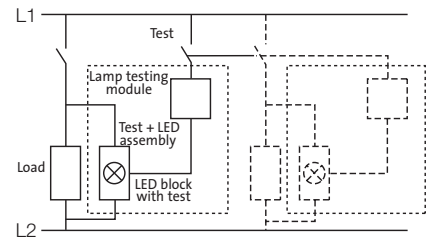
Lamp-testing module with 1 diode (33ET) for direct supply 24 V and 48 V



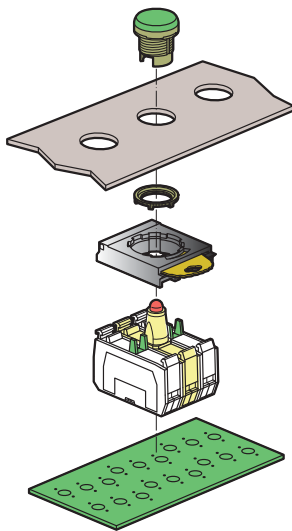
Lamp-testing module with 2 diodes (33ETT) for direct supply 24 V and 48 V



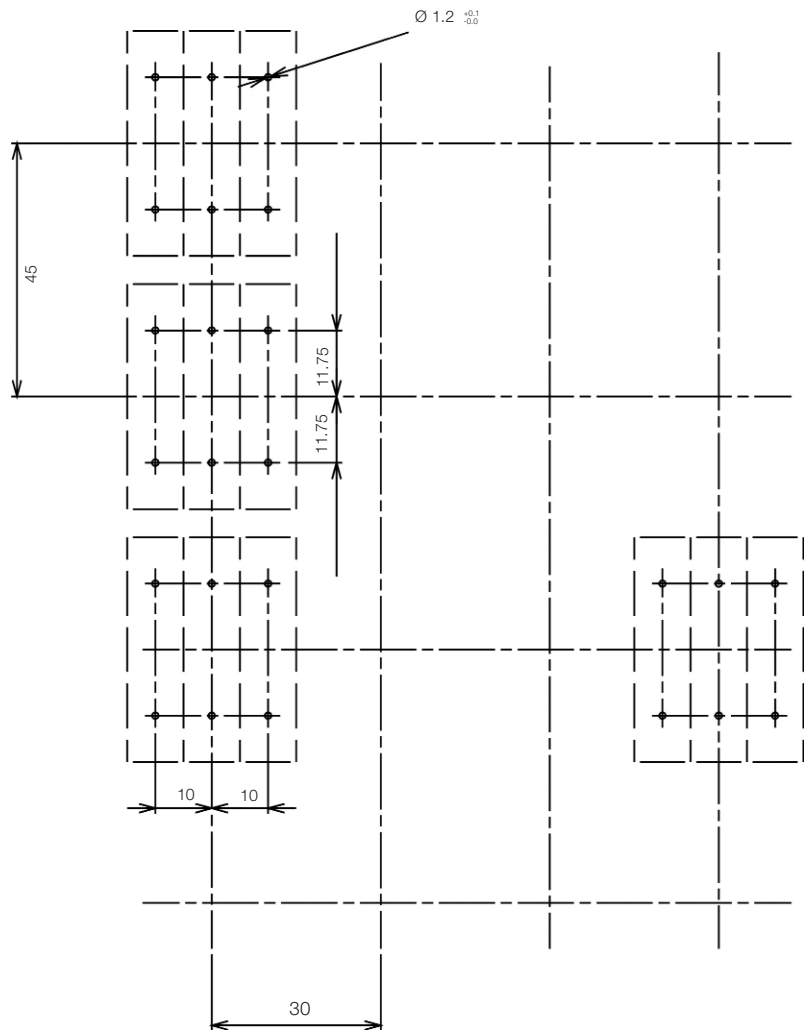
Lamp-testing assembly for direct supply 130 V and 240 V



PRINTED CIRCUIT BOARD MOUNTING

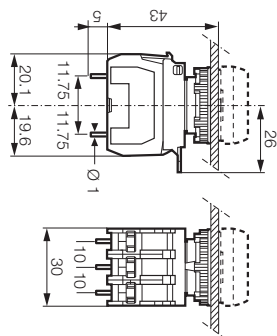
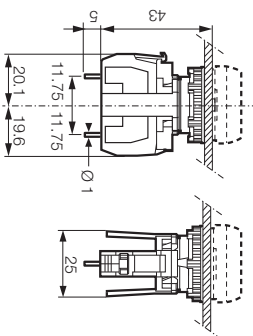


PCB BOARD DRILL PLAN



PCB TERMINAL - SINGLE CLIP

PCB TERMINAL - 3 POSITION CLIP



Notes:

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

Complete units: Part Numbering System

► NON-ILLUMINATED COMPLETE UNITS

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

Part number of non-illuminated operator head.
 See pages 128 to 134 for non-illuminated operator heads.

a

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

b

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

c

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.

e

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 \varnothing 30MM

 Technical Info (p. 149)

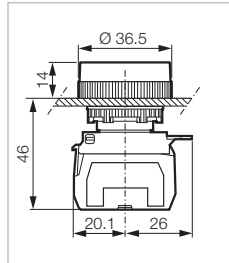
► SPRING RETURN - NON-ILLUMINATED

FLUSH

Chrome Bezel
Part Number



T11AA02-3E10



● Red	NC	T11AA01-3E01
● Green	NO	T11AA02-3E10
● Black	NC	T11AA03-3E01
● Black	NO	T11AA03-3E10
● Yellow	NO	T11AA04-3E10
○ White	NO	T11AA05-3E10
● Blue	NO	T11AA06-3E10
● Red	NO + NC	T11AA01-3E11
● Green	NO + NC	T11AA02-3E11
● Black	NO + NC	T11AA03-3E11
● Yellow	NO + NC	T11AA04-3E11
○ White	NO + NC	T11AA05-3E11
● Blue	NO + NC	T11AA06-3E11

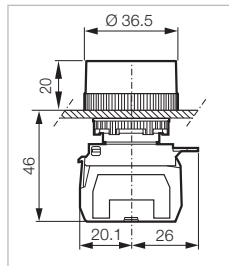
WITH INTERNATIONAL SYMBOLS

● Red	NC	T11AA81-3E01
● Green	NO	T11AA82-3E10

FLUSH WITH DEEP COLLAR



T15AA03-3E10

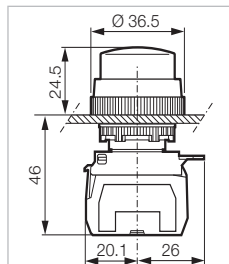


● Red	NC	T15AA01-3E01
● Green	NO	T15AA02-3E10
● Black	NC	T15AA03-3E01
● Black	NO	T15AA03-3E10
● Yellow	NO	T15AA04-3E10
○ White	NO	T15AA05-3E10
● Blue	NO	T15AA06-3E10

PROJECTING



T11AB01-3E01



● Red	NC	T11AB01-3E01
● Green	NO	T11AB02-3E10
● Black	NO	T11AB03-3E10
● Yellow	NO	T11AB04-3E10
○ White	NO	T11AB05-3E10
● Blue	NO	T11AB06-3E10

Complete units: Pushbuttons \varnothing 30MM

 Technical Info (p. 149)

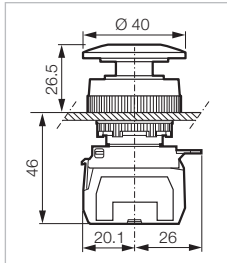
► SPRING RETURN - NON-ILLUMINATED

\varnothing 40 MUSHROOM

Chrome Bezel
Part Number



T11AD01-3E01



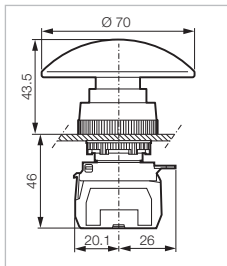
● Red	NC
● Green	NO
● Black	NC
● Black	NO
● Yellow	NO
● Red	NO + NC
● Green	NO + NC
● Black	NO + NC
● Yellow	NO + NC

T11AD01-3E01
T11AD02-3E10
T11AD03-3E01
T11AD03-3E10
T11AD04-3E10
T11AD01-3E11
T11AD02-3E11
T11AD03-3E11
T11AD04-3E11

\varnothing 70 MUSHROOM



T11AE01-3E01



● Red	NC
● Black	NC
● Black	NO

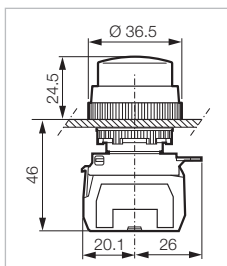
T11AE01-3E01
T11AE03-3E01
T11AE03-3E10

► MAINTAINED - NON-ILLUMINATED

PROJECTING



T11CB02-3E10



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

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

Complete units: Mushroom heads \varnothing 30MM

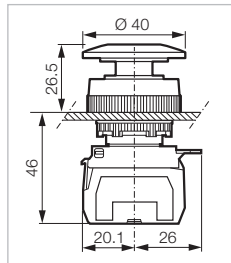
 Technical Info (p. 149)

► MAINTAINED - NON-ILLUMINATED

\varnothing 40 MUSHROOM

Push-pull to reset

Chrome Bezel
Part Number



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

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

WITH TEXT

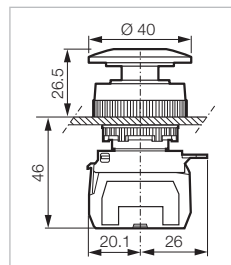
- Red (STOP STOP STOP) NC
- Red (STOP STOP STOP) 2 NC
- Red (STOP STOP STOP) NO + NC

T11DD01S-3E01
T11DD01S-3E02
T11DD01S-3E11

T11DD01-3E01

\varnothing 40 MUSHROOM

Push-turn to reset



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

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

WITH TEXT

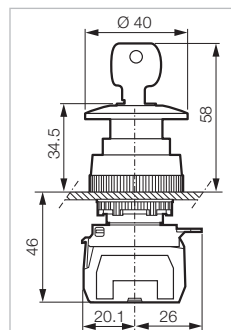
- Red (STOP STOP STOP) NC
- Red (STOP STOP STOP) 2 NC
- Red (STOP STOP STOP) NO + NC

T11ED01S-3E01
T11ED01S-3E02
T11ED01S-3E11

T11ED01-3E11

\varnothing 40 MUSHROOM

Key to reset



Supplied with 2 keys profile n°455

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

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

T11GM01-3E02

Complete units: Selector switches \varnothing 30MM

 Technical Info (p. 149)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

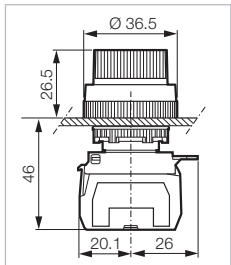
WITH HANDLE

2 positions


Chrome Bezel
Part Number



T11KA03-3E10




Maintained positions - 45°

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

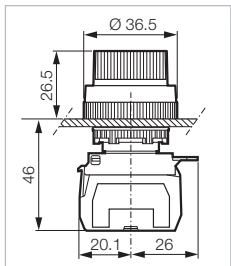
T11KE01-3E01
T11KE03-3E10
T11KE03-3E20
T11KE03-3E11
T11KE08-3E10

WITH HANDLE


3 positions



T11MA03-3E20



Maintained positions - 45°

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


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

Spring return - 45°

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

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

Maintained / Spring Return - 45°

● Red		NO + NC
● Black		NO + NC
● Grey		NO + NC

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

Complete units: Selector switches \varnothing 30MM

 Technical Info (p. 149)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

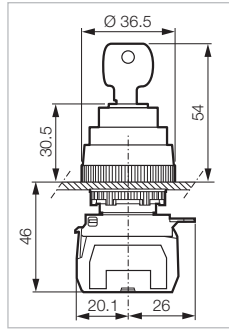
WITH KEY

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

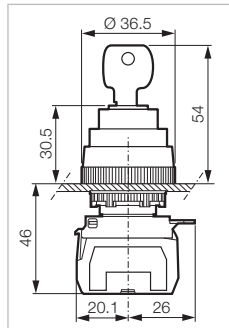
T11LG00-3E10
T11LG00-3E20
T11LG00-3E11

WITH KEY

3 positions



T11NA00-3E20



Supplied with 2 keys profile n°455

Maintained positions - 45°
Key free in position 0

- Black 1 0 2 2 NO

T11NA00-3E20

Spring Return - 45°
Key free in position 0

- Black 1 0 2 2 NO

T11ND00-3E20

Complete units: Part Numbering System

► ILLUMINATED COMPLETE UNITS

T11AH20 - 3 EA G M 1 1 Y7
a b c d e f g

Part number of illuminated operator head.
 See pages xx to yy for illuminated operator heads.

a

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

b

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

c

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

d

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
o	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.

f

N.C. (NORMALLY CLOSED) CONTACTS	
Code	Description
o	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.

g

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 \varnothing 30MM

 Technical Info (p. 149)

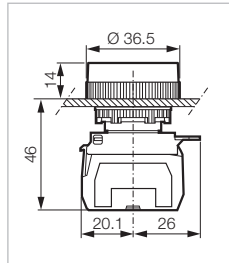
► SPRING RETURN - ILLUMINATED

FLUSH

Chrome Bezel
Part Number



T11AH20-3EAGL11



LED blocks
12/24 Vac/dc

● Red	NO+NC	T11AH10-3EARL11
● Green	NO+NC	T11AH20-3EAGL11
○ Clear	NO+NC	T11AH30-3EAWL11
● Yellow	NO+NC	T11AH40-3EAYL11
○ White	NO+NC	T11AH50-3EAWL11
● Blue	NO+NC	T11AH60-3EABL11

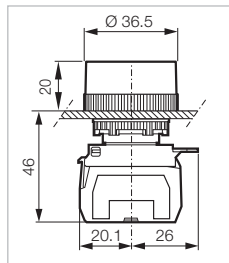
130 Vac

● Red	NO+NC	T11AH10-3EARM11
● Green	NO+NC	T11AH20-3EAGM11
○ Clear	NO+NC	T11AH30-3EAWM11
● Yellow	NO+NC	T11AH40-3EAYM11
○ White	NO+NC	T11AH50-3EAWM11
● Blue	NO+NC	T11AH60-3EABM11

FLUSH



T15AH10-3EARL11



LED blocks
12/24 Vac/dc

● Red	NO+NC	T15AH10-3EARL11
● Green	NO+NC	T15AH20-3EAGL11
○ Clear	NO+NC	T15AH30-3EAWL11
● Yellow	NO+NC	T15AH40-3EAYL11
○ White	NO+NC	T15AH50-3EAWL11
● Blue	NO+NC	T15AH60-3EABL11

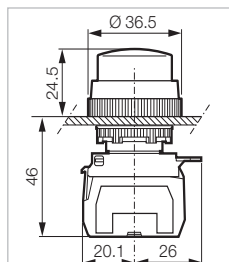
130 Vac

● Red	NO+NC	T15AH10-3EARM11
● Green	NO+NC	T15AH20-3EAGM11
○ Clear	NO+NC	T15AH30-3EAWM11
● Yellow	NO+NC	T15AH40-3EAYM11
○ White	NO+NC	T15AH50-3EAWM11
● Blue	NO+NC	T15AH60-3EABM11

PROJECTING



T11AK40-3EAYM11



LED blocks
12/24 Vac/dc

● Red	NO+NC	T11AK10-3EARL11
● Green	NO+NC	T11AK20-3EAGL11
○ Clear	NO+NC	T11AK30-3EAWL11
● Yellow	NO+NC	T11AK40-3EAYL11
○ White	NO+NC	T11AK50-3EAWL11
● Blue	NO+NC	T11AK60-3EABL11

130 Vac

● Red	NO+NC	T11AK10-3EARM11
● Green	NO+NC	T11AK20-3EAGM11
○ Clear	NO+NC	T11AK30-3EAWM11
● Yellow	NO+NC	T11AK40-3EAYM11
○ White	NO+NC	T11AK50-3EAWM11
● Blue	NO+NC	T11AK60-3EABM11

Complete units: Pushbuttons \varnothing 30MM

 Technical Info (p. 149)

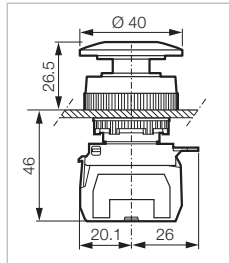
► SPRING RETURN - ILLUMINATED

\varnothing 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

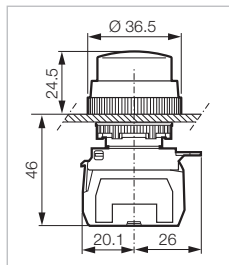
● Red	NO+NC	T11AM10-3EARM11
● Green	NO+NC	T11AM20-3EAGM11
● Yellow	NO+NC	T11AM40-3EAYM11
○ White	NO+NC	T11AM50-3EAWM11
● Blue	NO+NC	T11AM60-3EABM11

► 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 \varnothing 30mm

 Technical Info (p. 149)

▶ SELECTOR SWITCHES - ILLUMINATED

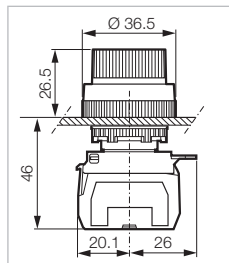
WITH HANDLE

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

 Technical Info (p. 149)

▶ SELECTOR SWITCHES - ILLUMINATED

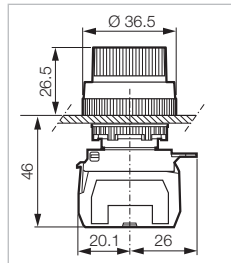
WITH HANDLE

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 \varnothing 30mm

▶ PILOT LIGHTS

 Technical Info (p. 149)

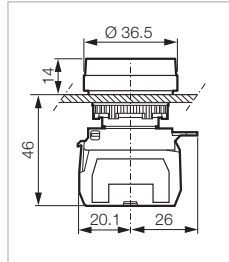
HEAD, CLIP AND MODULE

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

130 Vac

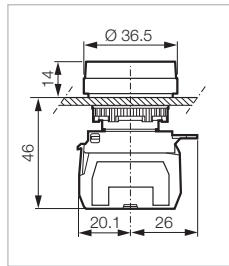
- Red
- Green
- Clear
- Yellow
- White
- Blue

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

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



T10SB20-3EAGM



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

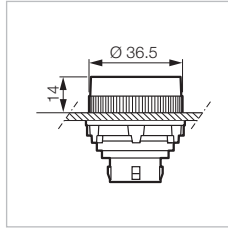
 Technical Info (p. 149)

FLUSH

Chrome Bezel
Part Number



T11AA01



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

- T11AA01
- T11AA02
- T11AA03
- T11AA04
- T11AA05
- T11AA06

WITH INTERNATIONAL SYMBOL

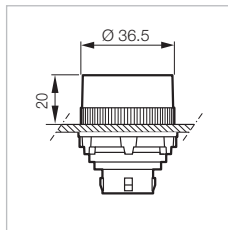
-  Red
-  Green
-  Black

- T11AA81
- T11AA82
- T11AA83

FLUSH WITH DEEP COLLAR



T15AA02



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

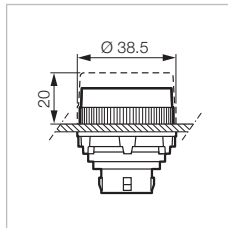
- T15AA01
- T15AA02
- T15AA03
- T15AA04
- T15AA05
- T15AA06

FLUSH WITH SHROUD

Reinforced degree of protection: IP 67



T11AG03



TRANSPARENT SHROUD

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

Components
Operator + Shroud

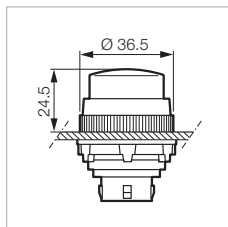
- T11AA01 + UA0228
- T11AA02 + UA0228
- T11AA03 + UA0228
- T11AA04 + UA0228
- T11AA05 + UA0228
- T11AA06 + UA0228

- T11AG01
- T11AG02
- T11AG03
- T11AG04
- T11AG05
- T11AG06

PROJECTING



T11AB01



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

- T11AB01
- T11AB02
- T11AB03
- T11AB04
- T11AB05
- T11AB06

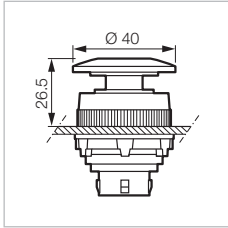
Operator Heads: \varnothing 30mm

 Technical Info (p. 149)

► SPRING RETURN - NON-ILLUMINATED

\varnothing 40 MUSHROOM

Chrome Bezel
Part Number



- Red
- Green
- Black
- Yellow

T11AD01
T11AD02
T11AD03
T11AD04

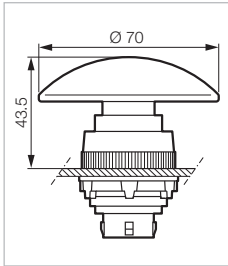
WITH TEXT

- Red (STOP STOP STOP)

T11AD01S

T11AD01

\varnothing 70 MUSHROOM



- Red - plastic
- Black -plastic

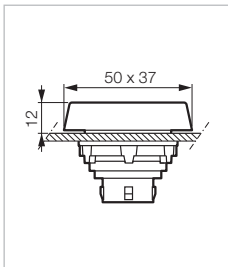
T11AE01
T11AE03

T11AE01

FLUSH-FLUSH

Twin touch

Black Bezel
Part Number



WITH INTERNATIONAL SYMBOLS

- Green
- Red

T52QA02

WITH TEXT

- Green (START)
- Red (STOP)

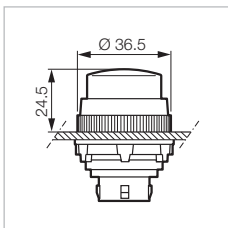
T52QA20

T52QA02

► MAINTAINED - NON-ILLUMINATED

PROJECTING

Chrome Bezel
Part Number



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

T11CB01
T11CB02
T11CB03
T11CB04
T11CB05
T11CB06

T11CB02

Operator Heads: \varnothing 30MM

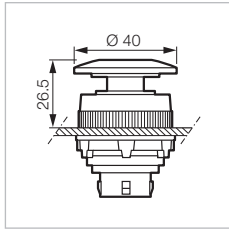
 Technical Info (p. 149)

► MAINTAINED - NON-ILLUMINATED

\varnothing 40 MUSHROOM

Push-pull to reset

Chrome Bezel
Part Number



- Red
- Green
- Black
- Yellow

- T11DD01
- T11DD02
- T11DD03
- T11DD04

WITH TEXT

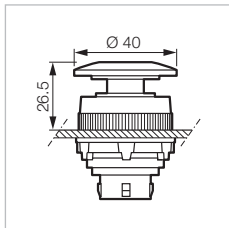
- Red (STOP STOP STOP)

T11DD01S

T11DD01

\varnothing 40 MUSHROOM

Push-turn to reset



- Red
- Green
- Black
- Yellow

- T11ED01
- T11ED02
- T11ED03
- T11ED04

WITH TEXT

- Red (STOP STOP STOP)

T11ED01S

T11ED01

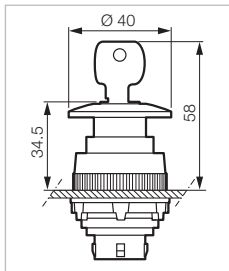
MANUAL LATCHING

- Red
- Green
- Black
- Yellow

- T11FD01
- T11FD02
- T11FD03
- T11FD04

\varnothing 40 MUSHROOM

Key to reset



Supplied with 2 keys profile n° 455

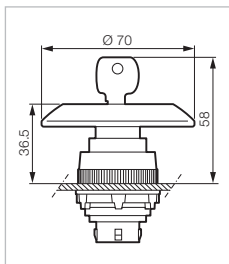
- Red

T11GM01

T11GM01

\varnothing 70 MUSHROOM

Key to reset



Supplied with 2 keys profile n° 455

- Red

T11GP01

T11GP01

Operator Heads: \varnothing 30mm

 Technical Info (p. 149)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

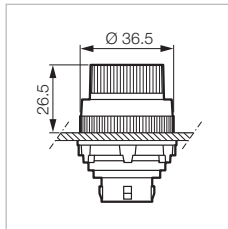
WITH HANDLE

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



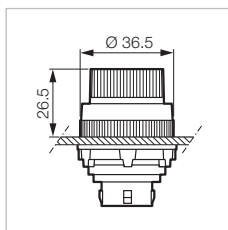
T11KF01
T11KF03
T11KF08

WITH HANDLE

3 positions

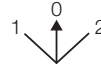


T11MA01



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: \varnothing 30MM

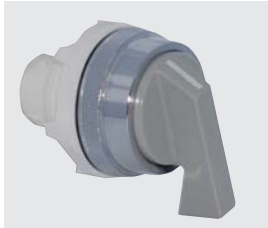
 Technical Info (p. 149)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

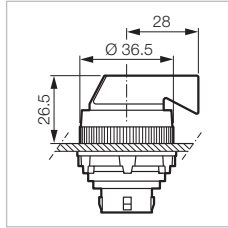
WITH HANDLE

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



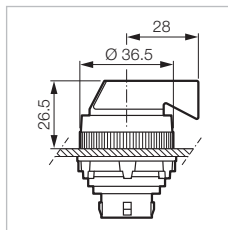
T11KU01
T11KU03
T11KU08

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

 Technical Info (p. 149)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

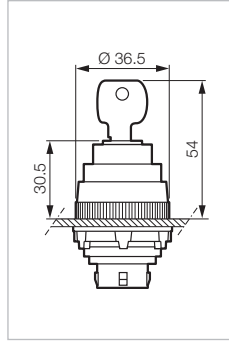
WITH KEY

2 positions

Chrome Bezel
Part Number



T11LA00



Supplied with 2 keys profile n° 455

KEY FREE IN POSITION:

MAINTAINED POSITIONS - 45°

● Black  0 1 **0** **T11LA00**

SPRING RETURN- 45°

● Black  0 1 **0** **T11LB00**

MAINTAINED POSITIONS - 45°

● Black  0 1 **0** **T11LC00**

SPRING RETURN- 45°

● Black  0 1 **0** **T11LD00**

MAINTAINED POSITIONS - 90°

● Black  0 1 **0 - 1** **T11LG00**

MAINTAINED POSITIONS - 90°

● Black  0 1 **0** **T11LF00**

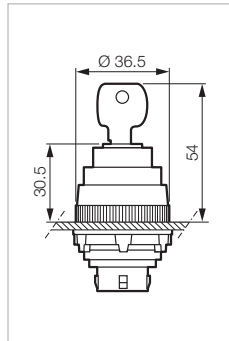
FOR KEY PROFILE N° 1424A ADD SUFFIX "A" TO
END OF PART NUMBERS (IE. T11LA00A)

WITH KEY

3 positions



T11NA00



Supplied with 2 keys profile n° 455

KEY FREE IN POSITION:

STAY-PUT POSITIONS - 45°

● Black  0 1 2 **0** **T11NA00**

SPRING RETURN FROM RIGHT TO 0 - 45°

● Black  0 1 2 **0** **T11NC00**

Spring return to 0 - 45°

● Black  0 1 2 **0** **T11ND00**

STAY-PUT POSITIONS - 90°

● Black  0 1 2 **1 - 0 - 2** **T11NK00**

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

Complete units: Part Numbering System

 Technical Info (p. 149)

▶ SELECTOR SWITCHES - NON-ILLUMINATED

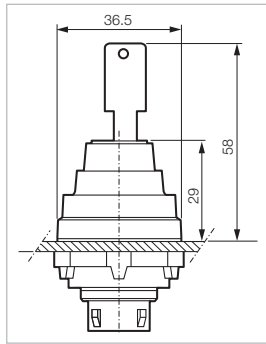
WITH KEY

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 In top position In bottom position In bottom position	Top and bottom position	T11GF00
	Bottom position	T11GJ00
	Top and bottom position	T11GG00
	Bottom position	T11GK00
In top and bottom position In top and bottom position	Top and bottom position Bottom position	T11GH00 T11GL00

Operator Heads: \varnothing 30mm

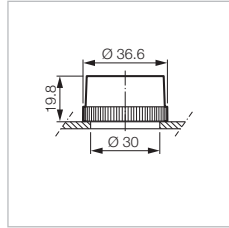
 Technical Info (p. 149)

► MECHANICAL ACTUATOR MOMENTARY - NON-ILLUMINATED

ADJUSTABLE MECHANICAL ACTUATOR - FLUSH

Chrome Bezel
Part Number

Black Bezel
Part Number



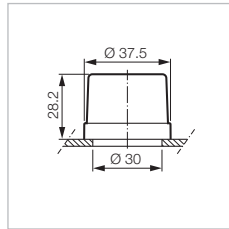
- Red
- Green
- Black
- Yellow
- White
- Blue

- T11HA01
- T11HA02
- T11HA03
- T11HA04
- T11HA05
- T11HA06

- T12HA01
- T12HA02
- T12HA03
- T12HA04
- T12HA05
- T12HA06

T11HA03

ADJUSTABLE MECHANICAL ACTUATOR - FLUSH WITH SHROUD



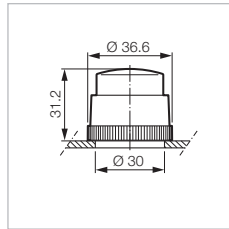
- Red
- Green
- Black
- Yellow
- White
- Blue

- T11HG01
- T11HG02
- T11HG03
- T11HG04
- T11HG05
- T11HG06

- T12HG01
- T12HG02
- T12HG03
- T12HG04
- T12HG05
- T12HG06

T12HG06

ADJUSTABLE MECHANICAL ACTUATOR - PROJECTING



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

- T11HB01
- T11HB02
- T11HB03
- T11HB04
- T11HB05
- T11HB06

- T12HB01
- T12HB02
- T12HB03
- T12HB04
- T12HB05
- T12HB06

T12HB05

Operator Heads: \varnothing 30MM

► SPRING RETURN - ILLUMINATED

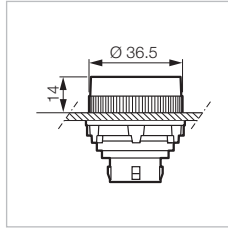
 Technical Info (p. 149)

Chrome Bezel
Part Number

FLUSH



T11AH20



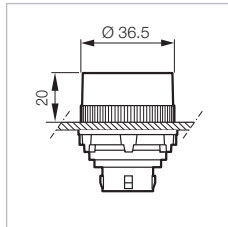
- Red
- Green
- Clear
- Yellow
- White
- Blue

- T11AH10
- T11AH20
- T11AH30
- T11AH40
- T11AH50
- T11AH60

FLUSH WITH DEEP COLLAR



T15AH40



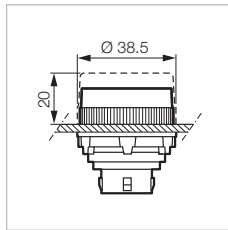
- Red
- Green
- Clear
- Yellow
- White
- Blue

- T15AH10
- T15AH20
- T15AH30
- T15AH40
- T15AH50
- T15AH60

FLUSH WITH SHROUD



T11AP40



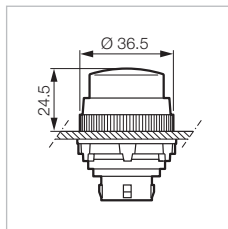
- Red
- Green
- Clear
- Yellow
- White
- Blue

- T11AP10
- T11AP20
- T11AP30
- T11AP40
- T11AP50
- T11AP60

PROJECTING



T11AK10



- Red
- Green
- Clear
- Yellow
- White

- T11AK10
- T11AK20
- T11AK30
- T11AK40
- T11AK50

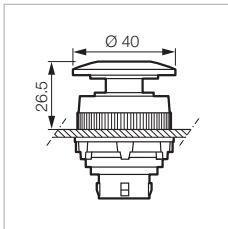
Operator Heads: \varnothing 30mm

▶ SPRING RETURN - ILLUMINATED

 Technical Info (p. 149)

\varnothing 40 MUSHROOM

Chrome Bezel
Part Number



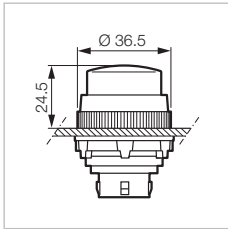
- Red
- Green
- Yellow
- White

T11AM10
T11AM20
T11AM40
T11AM50

T11AM10

▶ MAINTAINED - ILLUMINATED

PROJECTING



- Red
- Green
- Clear
- Yellow
- White

T11CK10
T11CK20
T11CK30
T11CK40
T11CK50

T11CK20

Operator Heads: \varnothing 30mm

 Technical Info (p. 149)

▶ SELECTOR SWITCHES - ILLUMINATED

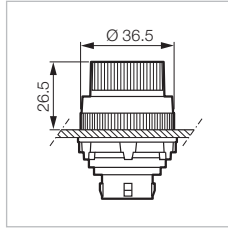
WITH HANDLE

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



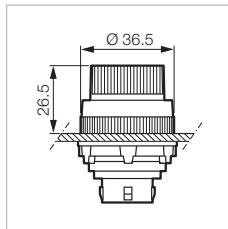
T11KM10
T11KM20
T11KM50

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: \varnothing 30mm

 Technical Info (p. 149)

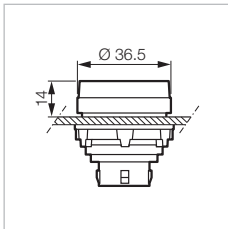
▶ PILOT LIGHTS - HEAD ONLY

WITH RIBBED LENS

Part Number



T10SA10



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

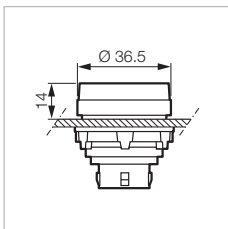
- Red
- Green
- Clear
- Yellow
- White
- Blue

T10SA10
T10SA20
T10SA30
T10SA40
T10SA50
T10SA60

WITH SMOOTH LENS



T10SB50



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

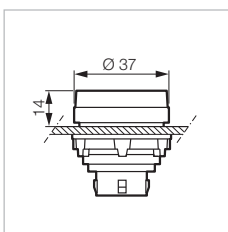
- Red
- Green
- Clear
- Yellow
- White
- Blue

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)

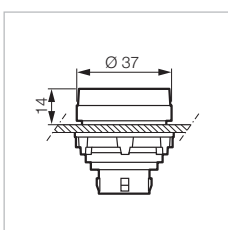
- Red
- Green
- Clear
- Yellow
- White
- Blue

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



UWE80300

Plastic - Yellow with black engraving

60mm diameter
Blank
EMERGENCY STOP

UWE60
UWE60300

70mm diameter
Blank
EMERGENCY STOP

UWE70
UWE70300

80mm diameter
Blank
EMERGENCY STOP

UWE80
UWE80300

NOTE:

1) Custom diameters and engravings available please contact us for details.

METAL LEGEND PLATES



UE00300

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	<p>Round shape Black frame and legend plate unassembled 2 lines maximum, 18 characters per line</p>	
	<p>WITHOUT ENGRAVING</p>	
	<ul style="list-style-type: none"> ● Red ● Black ● Alu 	<p>UP31 UP33 UP39</p>
	<p>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.</p>	
	<ul style="list-style-type: none"> ● Red - white engraving ● Black - white engraving ● Alu - black engraving 	<p>UP31□□□□ UP33□□□□ UP39□□□□</p>
	<p>PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...)</p>	
	<ul style="list-style-type: none"> ○ Transparent 	UP37
<hr/>		
Large model - 50 x 54 mm		
UG39	<p>Round shape Black frame and legend plate unassembled 2 lines maximum, 24 characters per line</p>	
	<p>WITHOUT ENGRAVING</p>	
	<ul style="list-style-type: none"> ● Red ● Black ● Alu 	<p>UG31 UG33 UG39</p>
	<p>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.</p>	
	<ul style="list-style-type: none"> ● Red - white engraving ● Black - white engraving ● Alu - black engraving 	<p>UG31□□□□ UG33□□□□ UG39□□□□</p>
	<p>PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...)</p>	
	<ul style="list-style-type: none"> ○ Transparent 	UG37

Accessories ø 30

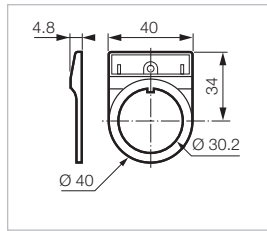
▶ LEGEND PLATES - FRAMES ONLY

Standard model

Part Number



UP3



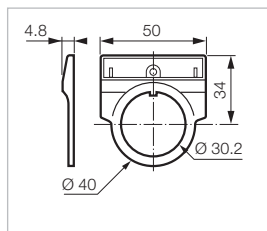
- Black

UP3

Large model



UG3



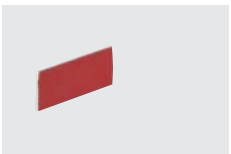
- Black

UG3

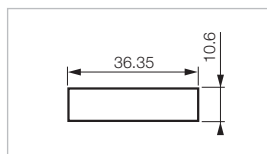
▶ LEGEND PLATES - INSERTS ONLY

TO BE ENGRAVED

Standard model



IB1



2 lines maximum
18 characters per line
For use with standard model legend plate frames

WITHOUT ENGRAVING

- Red
- Black
- Alu

IB1

IB3

IB9

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 - white engraving
- Black - white engraving
- Alu - black engraving

IB1□□□

IB3□□□

IB9□□□


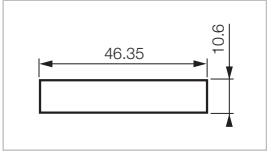
PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...)

- Transparent

IB7


Accessories ø 30

▶ LEGEND PLATES - INSERTS ONLY


TO BE ENGRAVED	Large model	Part Number
 <p>IC3</p>	 <p>2 lines maximum 18 characters per line For use with standard model legend plate frames</p> <p>WITHOUT ENGRAVING</p> <ul style="list-style-type: none"> ● Red ● Black ● Alu <p>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.</p> <ul style="list-style-type: none"> ● Red - white engraving ● Black - white engraving ● Alu - black engraving <p>PROTECTIVE MASK FOR LEGEND PLATE (PAPER OR OTHER ...)</p> <ul style="list-style-type: none"> <input type="radio"/> Transparent 	<p>IC1 IC3 IC9</p> <p>IC1□□□ IC3□□□ IC9□□□</p> <p>IC7</p>

▶ BUTTON PLATES

FOR ILLUMINATED FLUSH BUTTONS

 <p>UE02</p>	<p>2 lines maximum, 10 characters per line To be inserted under the button</p> <p>Without engraving</p> <ul style="list-style-type: none"> <input type="radio"/> Transparent <p>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.</p> <ul style="list-style-type: none"> <input type="radio"/> Transparent (black engraving) 	<p>UE02</p> <p>UE02□□□</p>
---	---	----------------------------

FOR PILOT LIGHTS

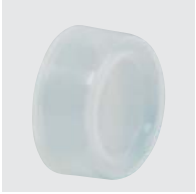
 <p>UE10</p>	<p>2 lines maximum, 12 characters per line To be inserted under Smooth lens Pilot Light lens</p> <p>Without engraving</p> <ul style="list-style-type: none"> <input type="radio"/> Transparent <p>WITH TEXT OR SYMBOL (see p. 80 to 83) Code to be added at the end of the part number. For custom text or symbol please contact us.</p> <ul style="list-style-type: none"> <input type="radio"/> Transparent (black engraving) 	<p>UE10</p> <p>UE10□□□</p>
---	---	----------------------------

Accessories ø 30

► MISCELLANEOUS

SROUD FOR FLUSH BUTTONS

Part Number



○ Transparent

UA0228

UA0228

SHROUD FOR ADJUSTABLE MECHANICAL BUTTONS



○ Transparent

UA0219

UA0219

STANDARD BEZEL



UA0011

Height 13 mm

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

UA0011
UA0012
UA0013
UA0016
UA0014

DEEP BEZEL

For flush push-buttons only



UA0202

Height 20 mm

Brilliant chrome brass

UA0202

BEZEL FOR MECHANICAL ACTUATOR



UA0112

Height 20 mm

Brilliant chrome plastic
Black plastic
Grey plastic
Brilliant chrome brass

UA0111
UA0112
UA0113
UA0114

Accessories ϕ 30

► MISCELLANEOUS

FIXING TOOL

Part Number



Fixing tool ϕ 22/ ϕ 30

WA0210

WA0210

BLANKING PLUG



● Grey

UA0215

UA0215

ANTI-ROTATION RING



Anti-rotation ring

UA0209

UA0209

LOCKING NUT

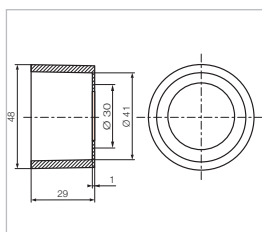


Plastic locking nut for 30mm operators

0908005V

0908005V

GUARD



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

UA0225

UA0225

Control Stations ø 30

▶ CONTROL STATIONS - NON-ILLUMINATED



 Technical Info (p. 147)

SPRING RETURN - FLUSH

Part Number



Legend Text



● Green	NO		START	TBPA301-101
● Red	NC		STOP	TBPA301-104

TBPA301-101

MUSHROOM HEAD ø 40 - SPRING RETURN



Legend Text

● Green	NO		START	TBPA301-204
● Red	NC		STOP	TBPA301-201

TBPA301-201

SELECTOR SWITCH - WITH HANDLE



Marking


		2 Maintained positions - 90°		
● Black	NO		OFF ON	TBPA301-401

TBPA301-401

SELECTOR SWITCH - WITH KEY



Marking

		Supplied with 2 keys profile n° 455		
		2 Maintained positions - 90° Key free in position 0-1		
● Black	NO		OFF ON	TBPA301-402

TBPA301-402

Control Stations ø 30

▶ CONTROL STATIONS - NON-ILLUMINATED

 Technical Info (p. 147)

MUSHROOM HEAD ø 40 - MAINTAINED

Part Number



TBPA301-301

Push-turn to reset

● Red NC 

EMERGENCY STOP

TPA301-301


Push-Pull to reset

● Red NC 

EMERGENCY STOP

TBPA301-311

Push-Key to reset

● Red NC 
Supplied with 2 keys profile n° 455



EMERGENCY STOP

TBPA301-321

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

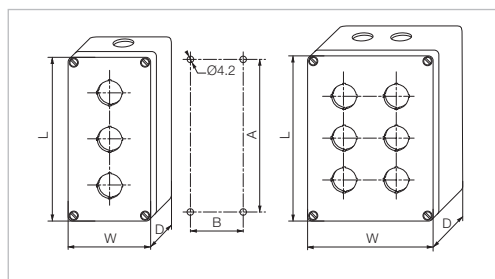
TBPA303-001

Control Stations \varnothing 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 PG13-GY	82	80	85	70	50	BPP301
2	1 x PG13-GY	120	80	85	108	50	BPP302
3	1 x PG13-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

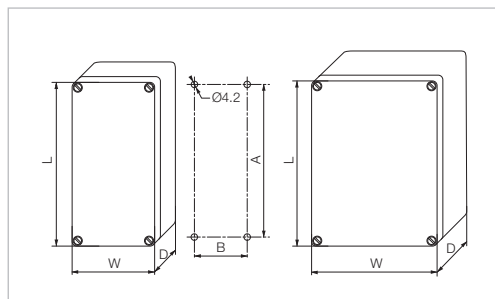
► EMPTY POLYCARBONATE ENCLOSURES



BNT208



BNT251



L	W	D	Dimensions (mm)		Part Number
			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

Color	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

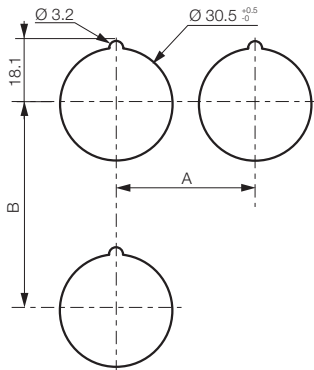
▶ GENERAL

Characteristics	Data	Standards
▶ Storage temperature 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 \varnothing 30mm heads are the same as for \varnothing 22mm heads. Their characteristics are described on pg. 105 to 108.

▶ Panel cut-out \varnothing 30mm

DRILLING



For heads equipped with electrical blocks with screw terminals

Minimum interval (mm)

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

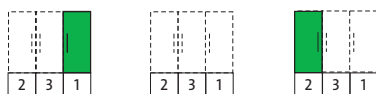
MECHANICAL OPERATION

For 3 position selector switches

Handle position
(view from front of panel)



Contacts block actuation
(clip position)



Non operated block

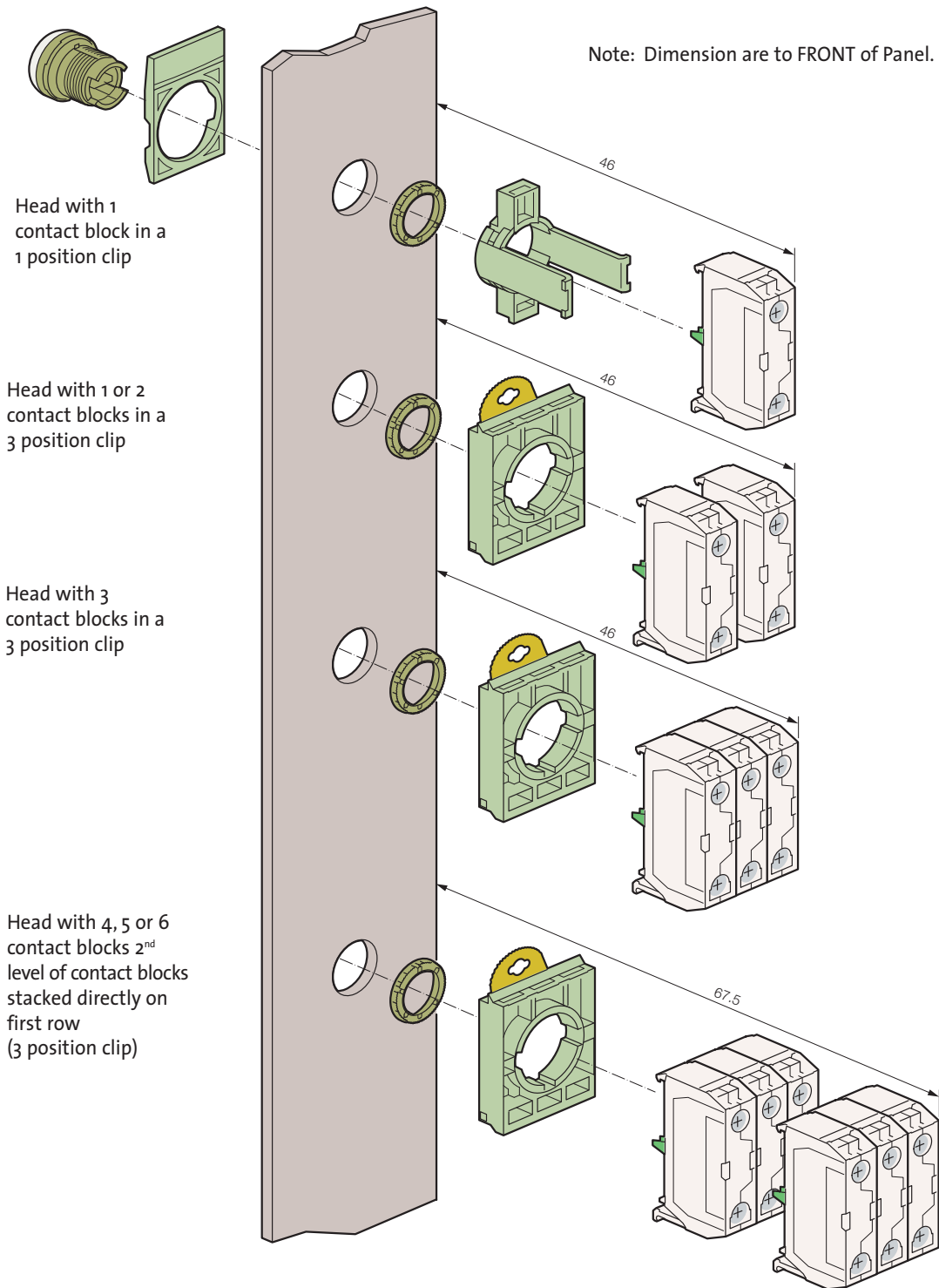


Operated block



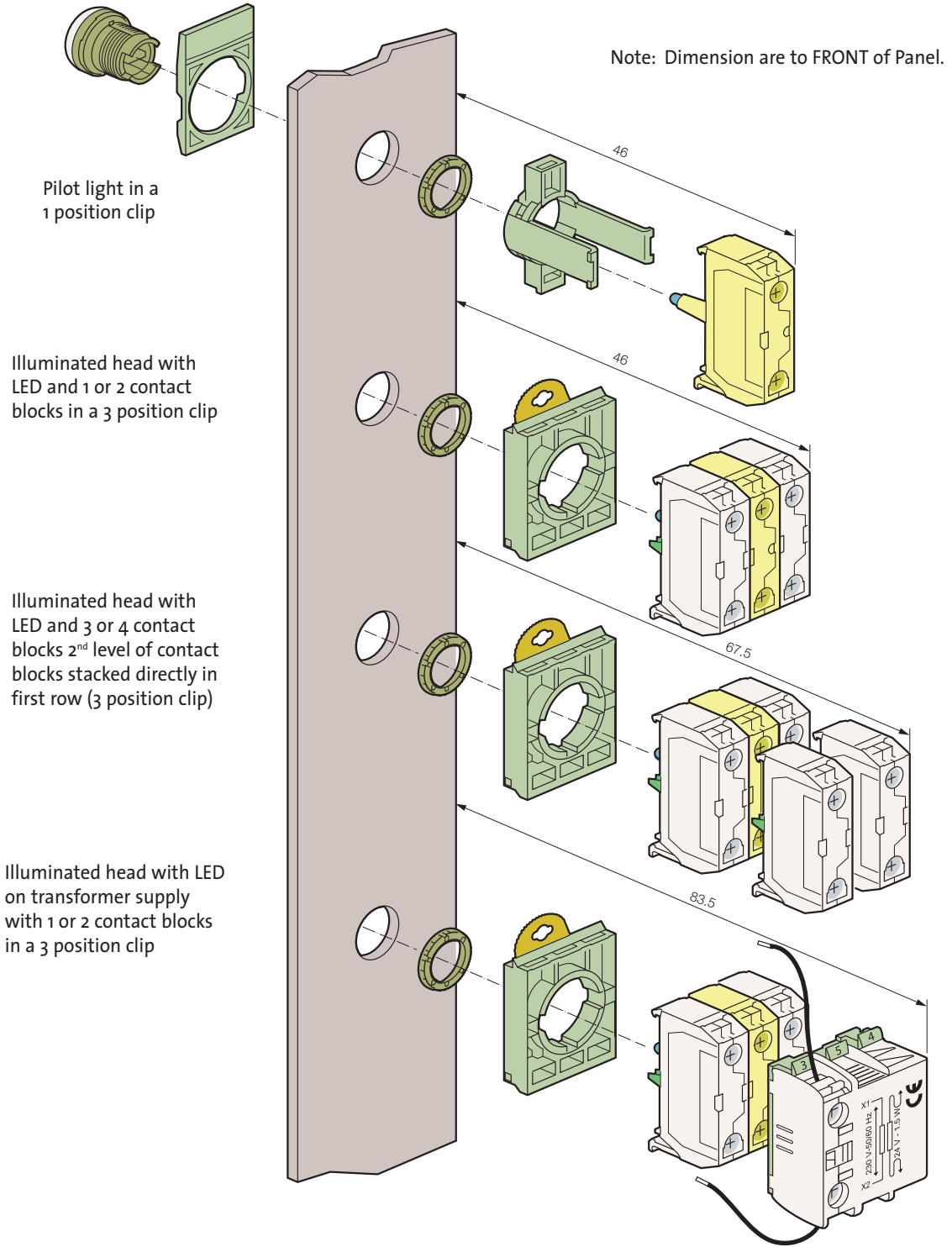
Technical Specifications


NON-ILLUMINATED



Technical Specifications

ILLUMINATED



 Illuminated blocks

Notes:

Disconnect Switches

A modular and flexible range



Contact gap
7 mm

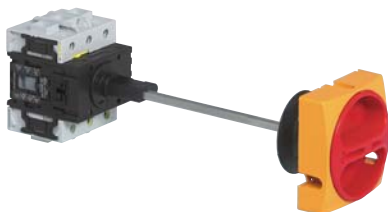
**Reversible
terminal feature**



► IN ENCLOSURE

- Degree of protection: up to IP 66
- For 25A to 100A size switches
- Cable entries with pre-formed knockouts
- Tamper-proof cover with padlockable handle
- Recessed area for optional plate
- A wide choice of associated contact blocks and enclosures available

Pages 160 to 161



► WITH CLUTCH DRIVE

- Metal shafts can be cut to length required
- With or without door interlock system
- Short or long metal shafts available

Pages 157 and 159

25A / 32A

▶ DOOR/PANEL MOUNTING

 Technical Info (p. 192)

PADLOCKABLE PRESENTATION



0172001



0174101

25 A
 3P
 3P + NC/NO
 4P neutral on left
 4P + NC/NO

Yellow/Red Handle
 Part Number

Grey Handle
 Part Number

0172001
 0172011
 0172021
 0172031

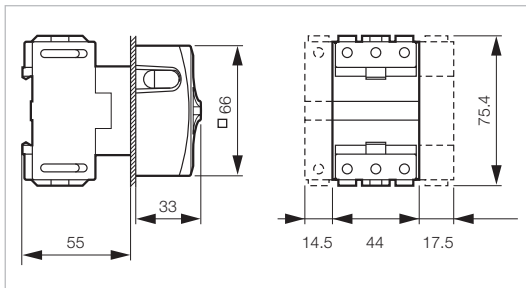
0174001
 0174011
 0174021
 0174031

32 A
 3P
 3P+NC/NO
 4P neutral on left
 4P + NC/NO

0172101
 0172111
 0172121
 0172131

0174101
 0174111
 0174121
 0174131

STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0172001-1

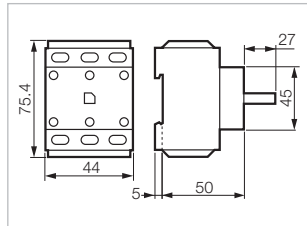


COMPONENTS AND ACCESSORIES

Part Number



0172000



3-pole switch body without handle

25 A
 32 A

0172000
 0172100

Additional pole

25 A
 32 A

0172075
 0172175

Neutral pole

25 A
 32 A

0172065
 0172165

Junction block

Ground or Neutral

0172185

Auxiliary contact
 NC/NO

0172179

IP65 Seal Kit

0172267

Replacement Handle

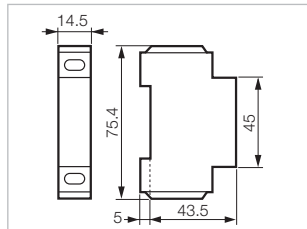
66 - Yellow/Red
 66 - Grey

0172601
 0174601



0172065

0172185



25A / 32A

 Technical Info (p. 192)

▶ DOOR/PANEL MOUNTING

NON- PADLOCKABLE PRESENTATION

Yellow/Red Handle Part Number Grey Handle Part Number

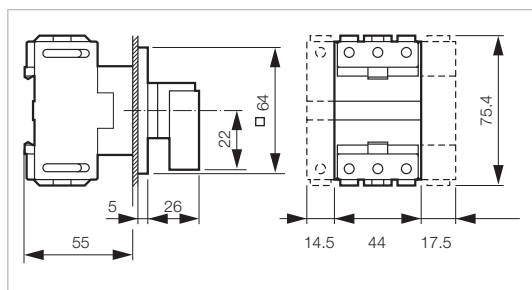


0172002



0174102

25 A		
3P	0172002	0174002
3P + NC/NO	0172012	0174012
4P neutral on left	0172022	0174022
4P + NC/NO	0172032	0174032
32 A		
3P	0172102	0174102
3P + NC/NO	0172112	0174112
4P neutral on left	0172122	0174122
4P + NC/NO	0172132	0174132



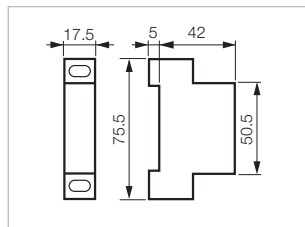
STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0172002-1

COMPONENTS AND ACCESSORIES

Part Number



0172179



3-pole switch body without handle	
25 A	0172000
32 A	0172100

Additional pole	
25 A	0172075
32 A	0172175

Neutral pole	
25 A	0172065
32 A	0172165

Junction block	
Ground or Neutral	0172185

Auxiliary contact	
NC/NO	0172179

IP65 Seal Kit	0172267
----------------------	----------------

Replacement Handle, Plate, and Frame	
<input type="checkbox"/> 64 - Yellow/Red	0172602
<input type="checkbox"/> 64 - Grey	0174602



0172267

25A / 32A

▶ DOOR/PANEL MOUNTING - PADLOCKABLE



Technical Info (p. 192)

PADLOCKABLE PRESENTATION Ø 22 SINGLE-HOLE MOUNTING

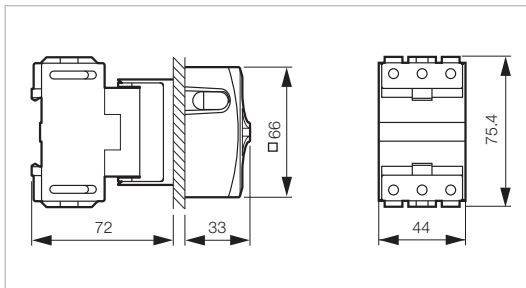
Yellow/Red Handle
Part Number



0172003

25 A
3P **0172003**
3P + NC/NO **0172013**
4P neutral on left **0172023**
4P + NC/NO **0172033**

32 A
3P **0172103**
3P+NC/NO **0172113**
4P neutral on left **0172123**
4P + NC/NO **0172133**



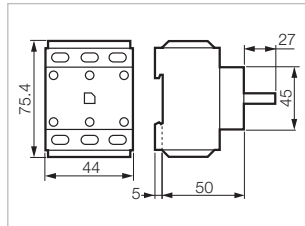
**STANDARD VERSIONS IP40 RATED.
NOT AVAILABLE IN IP65 VERSIONS.**

COMPONENTS AND ACCESSORIES

Part Number



0172000



3-pole switch body without handle

25 A **0172000**
32 A **0172100**

Additional pole

25 A **0172075**
32 A **0172175**

Neutral pole

25 A **0172065**
32 A **0172165**

Junction block

Ground or Neutral **0172185**

Auxiliary contact

NC/NO **0172179**

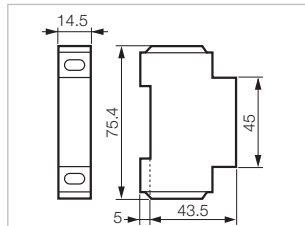
Replacement Handle

□ 66 - Ø 22 single-hole-mounting - Yellow/Red **0172603**



0172065

0172185



25A / 32A



▶ DOOR/PANEL MOUNTING - PADLOCKABLE

NON-PADLOCKABLE PRESENTATION Ø 22 SINGLE-HOLE MOUNTING

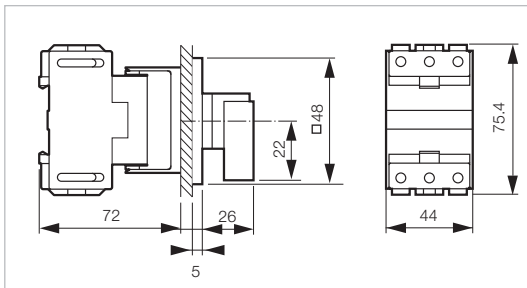
Yellow/Red Handle
Part Number



0172004

25 A
3P
3P+NC/NO
4P neutral on left
0172004
0172014
0172024

32 A
3P
3P+NC/NO
4P neutral on left
0172104
0172214
0172124



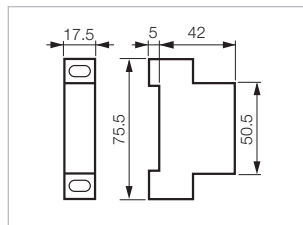
**STANDARD VERSIONS IP40 RATED.
NOT AVAILABLE IN IP65 VERSIONS.**

COMPONENTS AND ACCESSORIES

Part Number



0172179



3-pole switch body without handle

25 A **0172000**
32 A **0172100**

Additional pole

25 A **0172075**
32 A **0172175**

Neutral pole

25 A **0172065**
32 A **0172165**

Junction block

Ground or Neutral **0172185**

Auxiliary contact

NC/NO **0172179**

Replacement Handle, Plate, and Frame

□ 48 - ø 22 single-hole-mounting - Yellow/Red **0172604**

25A / 32A

► DIN-RAIL IN-PANEL MOUNTING

 Technical Info (p. 192)

PADLOCKABLE PRESENTATION

Grey Handle
Part Number



0174005

25 A

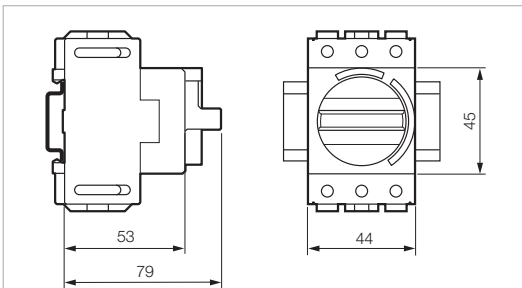
3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0174005
0174015
0174025
0174035

32 A

3P
3P+NC/NO
4P neutral on left
4P + NC/NO

0174105
0174115
0174125
0174135

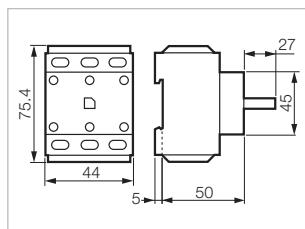


COMPONENTS AND ACCESSORIES

Part Number



0172000



3-pole switch body without handle

25 A
32 A

0172000
0172100

Additional pole

25 A
32 A

0172075
0172175

Neutral pole

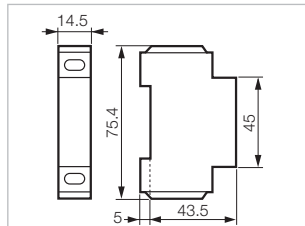
25 A
32 A

0172065
0172165



0172065

0172185



Junction block

Ground or Neutral

0172185

Auxiliary contact

NC/NO

0172179

25A / 32A

▶ DOOR INTERLOCK MOUNTING - NO METAL SHAFT EXTENSION



PADLOCKABLE PRESENTATION	Yellow/Red Handle Part Number	Grey Handle Part Number
--------------------------	----------------------------------	----------------------------



0165009NS

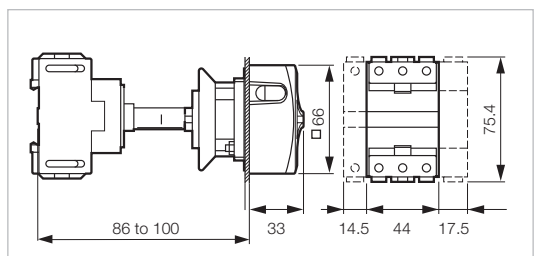
25 A		
3P	0165009NS	0168009NS
3P + NC/NO	0165019NS	0168019NS
4P neutral on left	0165029NS	0168029NS
4P + NC/NO	0165039NS	0168039NS



0168109NS

32 A		
3P	0165109NS	0168109NS
3P + NC/NO	0165119NS	0168119NS
4P neutral on left	0165129NS	0168129NS
4P + NC/NO	0165139NS	0168139NS

**STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0165009NS-1**

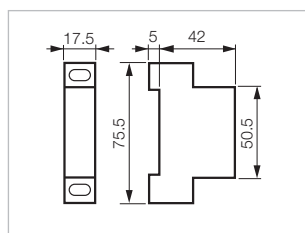


COMPONENTS AND ACCESSORIES

Part Number



0172179



3-pole switch body without handle	
25 A	0172000
32 A	0172100

Additional pole	
25 A	0172075
32 A	0172175

Neutral pole	
25 A	0172065
32 A	0172165

Junction block Ground or Neutral	0172185
--	----------------

Auxiliary contact NC/NO	0172179
-----------------------------------	----------------

IP65 Seal Kit	0174259
----------------------	----------------

Replacement Handle	
<input type="checkbox"/> 66 - Yellow/Red	0172601
<input type="checkbox"/> 66 - Grey	0174601



0174259

25A / 32A

▶ DOOR INTERLOCK MOUNTING - SHORT METAL SHAFT EXTENSION

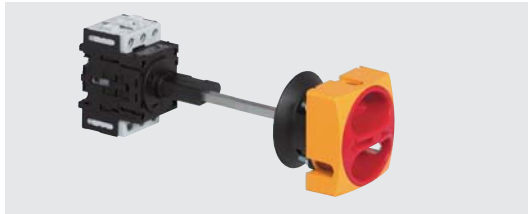


Technical Info (p. 192)

PADLOCKABLE PRESENTATION

Yellow/Red Handle
Part Number

Grey Handle
Part Number

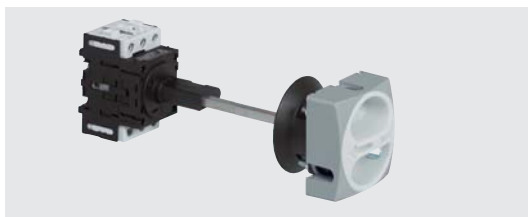


0165009SS

25 A
3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0165009SS
0165019SS
0165029SS
0165039SS

0168009SS
0168019SS
0168029SS
0168039SS



0168109SS

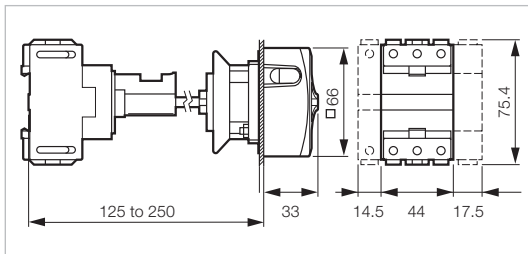
32 A
3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0165109SS
0165119SS
0165129SS
0165139SS

0168109SS
0168119SS
0168129SS
0168139SS

STANDARD VERSIONS IP40 RATED.

**TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0165009SS-1**

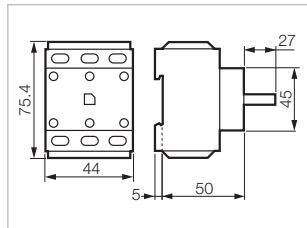


COMPONENTS AND ACCESSORIES

Part Number



0172000



3-pole switch body without handle

25 A
32 A

0172000
0172100

Additional pole

25 A
32 A

0172075
0172175

Neutral pole

25 A
32 A

0172065
0172165

Junction block

Ground or Neutral

0172185

Auxiliary contact
NC/NO

0172179

IP65 Seal Kit

0174259

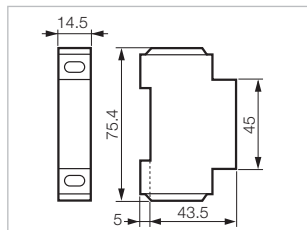
Replacement Handle

□ 66 - Yellow/Red
□ 66 - Grey

0172601
0174601




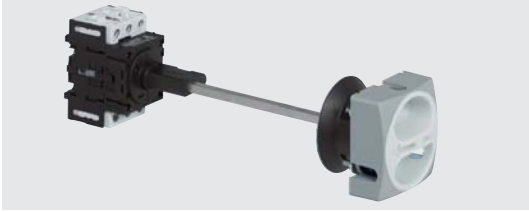
0172065 0172185



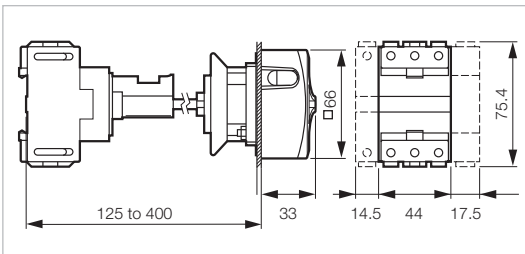
25A / 32A


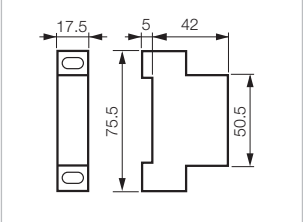



▶ DOOR INTERLOCK MOUNTING - LONG METAL SHAFT EXTENSION

PADLOCKABLE PRESENTATION	Yellow/Red Handle		Grey Handle
	Part Number		Part Number
 <p>0165009LS</p>	25 A		
	3P	0165009LS	0168009LS
	3P + NC/NO	0165019LS	0168019LS
	4P neutral on left	0165029LS	0168029LS
	4P + NC/NO	0165039LS	0168039LS
 <p>0168109LS</p>	32 A		
	3P	0165109LS	0168109LS
	3P + NC/NO	0165119LS	0168119LS
	4P neutral on left	0165129LS	0168129LS
	4P + NC/NO	0165139LS	0168139LS

**STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0165009LS-1**



COMPONENTS AND ACCESSORIES		Part Number	
 <p>0172179</p>		3-pole switch body without handle	
		25 A	0172000
		32 A	0172100
		Additional pole	
		25 A	0172075
		32 A	0172175
		Neutral pole	
		25 A	0172065
		32 A	0172165
		Junction block Ground or Neutral	0172185
		Auxiliary contact NC/NO	0172179
 <p>0174259</p>		IP65 Seal Kit	0174259
		Replacement Handle	
	<input type="checkbox"/> 66 - Yellow/Red	0172601	
	<input type="checkbox"/> 66 - Grey	0174601	

25A / 32A

ENCLOSURES

 Technical Info (p. 192)

PADLOCKABLE PRESENTATION



0172061

0174161

25 A

3P
3P + NC/NO
4P neutral on left
4P + NC/NO

Yellow/Red Handle
Part Number

0172061
0172071
0172081
0172091

Grey Handle
Part Number

0174061
0174071
0174081
0174091

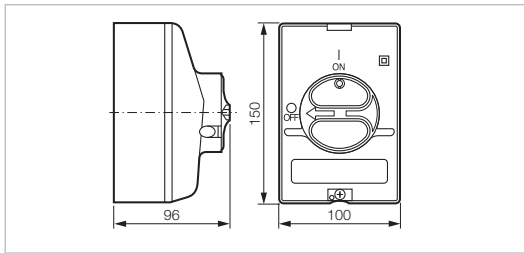
32 A

3P
3P+NC/NO
4P neutral on left
4P + NC/NO

0172161
0172171
0172181
0172191

0174161
0174171
0174181
0174191

STANDARD VERSIONS IP66 RATED.



Cable entries: 6 x PG16 and 4 x M25

PADLOCKABLE PRESENTATION



0172009

0174109

25 A

6P
6P + NC/NO

Yellow/Red Handle
Part Number

0172009
0172029

Grey Handle
Part Number

0174009
0174029

32 A

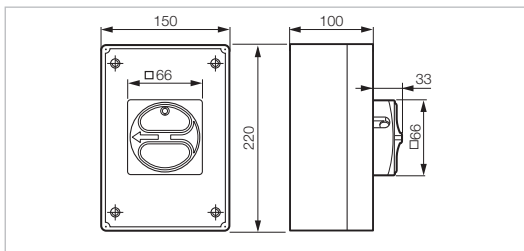
6P
6P+NC/NO

0172109
0172129

0174109
0174129

STANDARD VERSIONS IP40 RATED.

**TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.
IE. 0172009-6**



Cable entries: 4 x PG21

CABLE GLANDS



PG16-GY

PG16
PG21

Cable Range 10mm - 14mm
Cable Range 13mm - 18mm

Part Number

PG16-GY
PG21-GY

25A / 32A



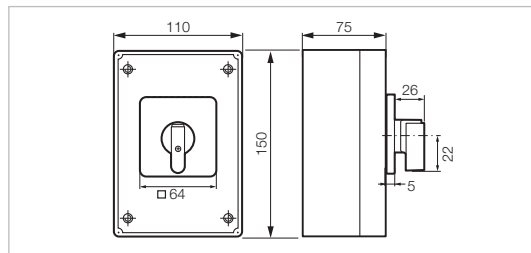
ENCLOSURES

NON-PADLOCKABLE PRESENTATION



0172062

0174162



Cable entries: 4 x PG16

25 A

- 3P
- 3P + NC/NO
- 4P neutral on left
- 4P + NC/NO

Yellow/Red Handle
Part Number

- 0172062
- 0172072
- 0172082
- 0172092

Grey Handle
Part Number

- 0174062
- 0174072
- 0174082
- 0174092

32 A

- 3P
- 3P+NC/NO
- 4P neutral on left
- 4P + NC/NO

- 0172162
- 0172172
- 0172182
- 0172192

- 0174162
- 0174172
- 0174182
- 0174192

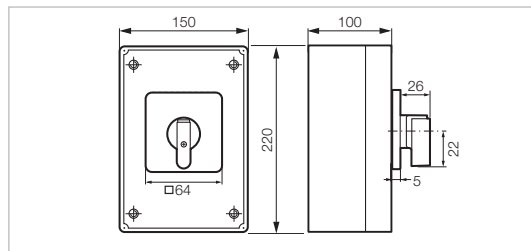
**STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.
IE. 0172062-6**

NON-PADLOCKABLE PRESENTATION



0172019

0174119



Cable entries: 4 x PG21

25 A

- 6P
- 6P + NC/NO

Yellow/Red Handle
Part Number

- 0172019
- 0172039

Grey Handle
Part Number

- 0174019
- 0174039

32 A

- 6P
- 6P+NC/NO

- 0172119
- 0172139

- 0174119
- 0174139

**STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.
IE. 0172019-6**

CABLE GLANDS



PG16-GY

- PG16
- PG21

- Cable Range 10mm - 14mm
- Cable Range 13mm - 18mm

Part Number

- PG16-GY
- PG21-GY

25A / 32A

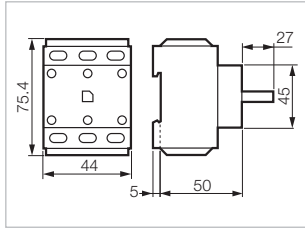
► BLOCKS

 Technical Info (p. 192)

Part Number



0172000



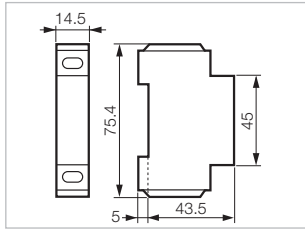
3-pole switch body without handle
25 A
32 A

0172000
0172100



0172065

0172185



Additional pole
(for use in enclosure only)

25 A
32 A

0172075
0172175

Neutral pole

25 A
32 A

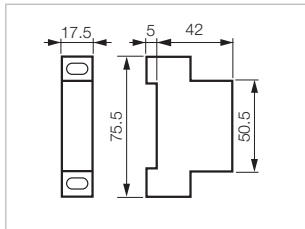
0172065
0172165

Junction block
Ground or Neutral

0172185



0172179



Auxiliary contact
NC/NO

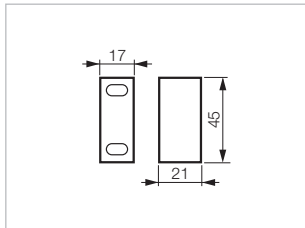
1 pole early break

0172179

0172195



0172195



25A / 32A

 Technical Info (p. 192)

▶ HANDLES

Part Number



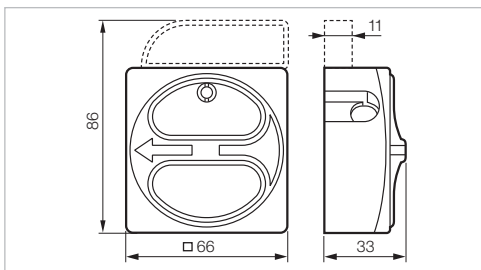
0172601

Padlockable presentation

Padlock with $\varnothing 6$ to 8 mm

- 66 - Yellow/Red
- 66 - Grey
- 66 - $\varnothing 22$ single-hole-mounting - Yellow/Red

0172601
0174601
0172603



0172602

Dim. Ref. 0172602

A: 64
 B: 80

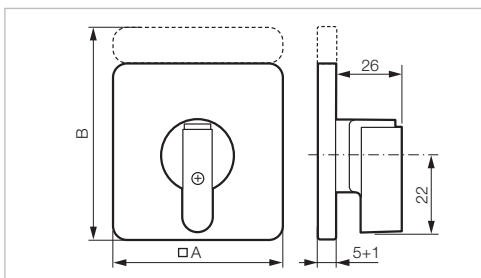
Dim. ref. 0172604

A: 48
 B: 65

With plate, frame and handle

- 64 - Yellow/Red
- 48 - $\varnothing 22$ single-hole-mounting - Yellow/Red

0172602
0172604



25A / 32A

▶ EMPTY ENCLOSURES

 Technical Info (p. 192)

PADLOCKABLE PRESENTATION

Part Number



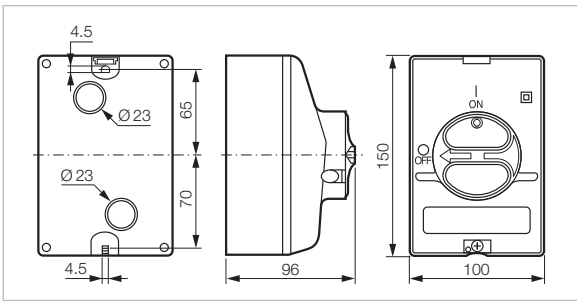
0172399

Dimensions 150 x 100 x 96 mm
 Supplied with padlockable handle,
 weatherproof seal and relay terminal
 For 3 and 4-pole switches with and without NC/NO
 Cable entries: 4 x PG16/M25

IP66-IK7

Grey base - yellow cover - red handle
 Grey base - grey cover - grey handle

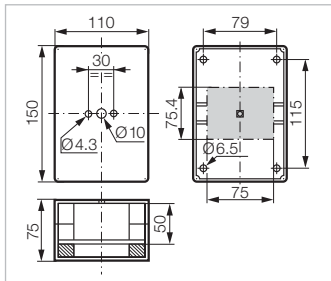
0172399
 0174399



WITHOUT HANDLE



0172549

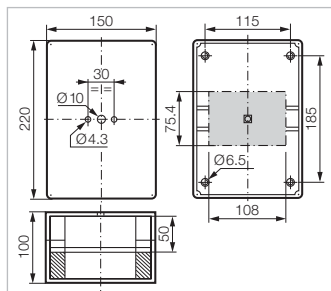


Grey - Up to 4 poles + auxiliary contact
 150 x 110 x 75 mm
 Cable entries: 4 x PG16

0172549



0172559



Grey - Up to 6 poles + auxiliary contact
 220 x 150 x 100 mm
 Cable entries: 4 x PG21

0172559

▶ ACCESSORIES



Technical Info (p. 192)

Part Number



0172167

Terminal covers

For 3-pole body switch
For additional pole, neutral pole or junction block
For auxiliary contact NC/NO (pair)
For early break auxiliary contact

0172167
0172177
0172189
0172199



0174569

Connection terminal kit

Terminal connection for ground or neutral

0174449



0172649

Self-adhesive plates (for enclosures)

Blank
Engraved MAIN SWITCH

0174599
0174569

Duty labels

Blank
Engraved MAIN SWITCH

0172629
0172649



0174189

Kit for clutch drive presentation

Short shaft without door interlock
Long shaft without door interlock
Without shaft and without door interlock

0174189
0174199
0174179



0174179



0174249

Kit for door interlock

0174249

IP 65 seal kits

For front mounting switches and enclosures
Padlockable 66 or plate and frame 64 or 72
For rear mounting switches with clutch drive
Padlockable 66 or plate and frame 64 or 72

0172267
0174259



0172267

Cable Glands

PG16 Cable Range 10mm - 14mm
PG21 Cable Range 13mm - 18mm

PG16-GY
PG21-GY

Stepped Gland

M25 Cable Range 5mm - 21mm

STM25



PG16-GY



STM25

50A / 63A

▶ DOOR/PANEL MOUNTING

 Technical Info (p. 192)

PADLOCKABLE PRESENTATION



0172201



0174201

50 A
 3P
 3P + NC/NO
 4P neutral on left
 4P + NC/NO

Yellow/Red Handle
 Part Number

Grey Handle
 Part Number

0172201
 0172211
 0172221
 0172231

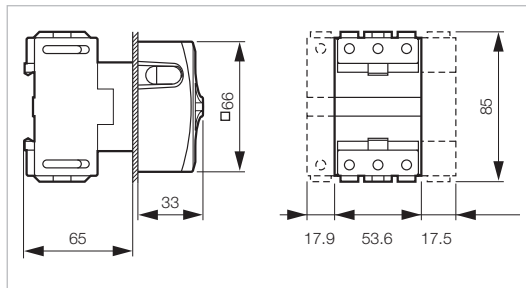
0174201
 0174211
 0174221
 0174231

63 A
 3P
 3P+NC/NO
 4P neutral on left
 4P + NC/NO

0172301
 0172311
 0172321
 0172331

0174301
 0174311
 0174321
 0174331

STANDARD VERSIONS IP40 RATED.
 TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
 IE. 0172201-1

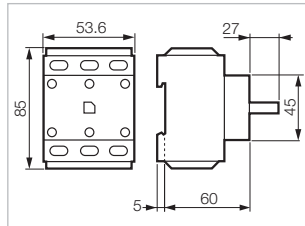


COMPONENTS AND ACCESSORIES

Part Number



0172300



3-pole switch body without handle

50 A
 63 A

0172200
 0172300

Additional pole

50 A
 63 A

0172275
 0172375

Neutral pole

50 A
 63 A

0172265
 0172365

Junction block

Ground or Neutral

0172385

Auxiliary contact
 NC/NO

0172179

IP65 Seal Kit

0172267

Replacement Handle

66 - Yellow/Red
 66 - Grey

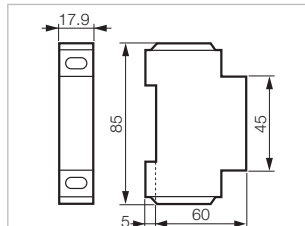
0172601
 0174601



0172375



0172385



50A / 63A



▶ DOOR/PANEL MOUNTING

NON- PADLOCKABLE PRESENTATION

Yellow/Red Handle
Part Number

Grey Handle
Part Number



0172202



0174202

50 A

- 3P
- 3P + NC/NO
- 4P neutral on left
- 4P + NC/NO

- 0172202
- 0172212
- 0172222
- 0172232

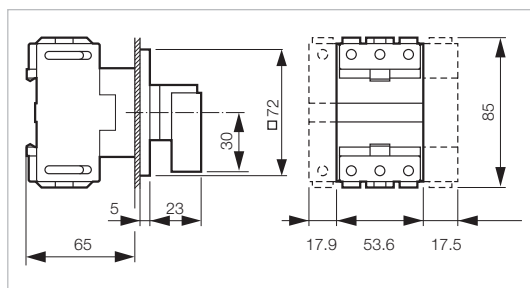
- 0174202
- 0174212
- 0174222
- 0174232

63 A

- 3P
- 3P + NC/NO
- 4P neutral on left
- 4P + NC/NO

- 0172302
- 0172312
- 0172322
- 0172332

- 0174302
- 0174312
- 0174322
- 0174332



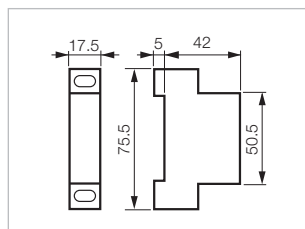
STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0172002-1

COMPONENTS AND ACCESSORIES

Part Number



0172179



3-pole switch body without handle

- 50 A
- 63 A

- 0172200
- 0172300

Additional pole

- 50 A
- 63 A

- 0172275
- 0172375

Neutral pole

- 50 A
- 63 A

- 0172265
- 0172365

Junction block Ground or Neutral

- 0172385

Auxiliary contact NC/NO

- 0172179

IP65 Seal Kit

- 0172267

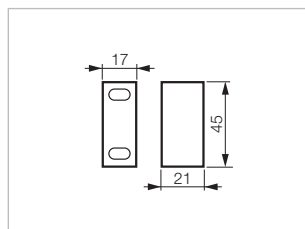
Replacement Handle

- 72 - Yellow/Red
- 72 - Grey

- 0172612
- 0174612



0172395



50A / 63A

► DIN-RAIL IN-PANEL MOUNTING

 Technical Info (p. 192)

PADLOCKABLE PRESENTATION

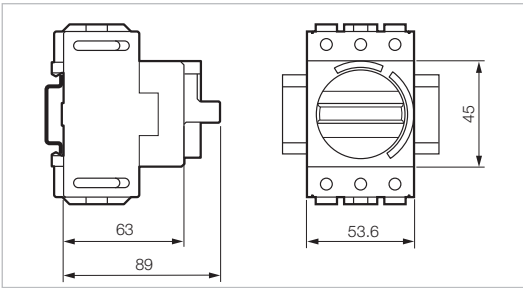
Grey Handle
Part Number



0174205

50 A	
3P	0174205
3P + NC/NO	0174215
4P neutral on left	0174225
4P + NC/NO	0174235

63 A	
3P	0174305
3P+NC/NO	0174315
4P neutral on left	0174325
4P + NC/NO	0174335

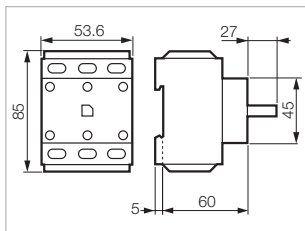


COMPONENTS AND ACCESSORIES

Part Number



0172300



3-pole switch body without handle

50 A	0172200
63 A	0172300

Additional pole

50 A	0172275
63 A	0172375

Neutral pole

50 A	0172265
63 A	0172365

Junction block

Ground or Neutral	0172385
-------------------	----------------

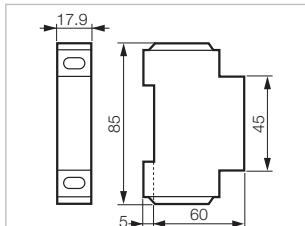
Auxiliary contact

NC/NO	0172179
-------	----------------



0172375

0172385



50A / 63A



Technical Info (p. 192)

▶ DOOR INTERLOCK MOUNTING - NO METAL SHAFT EXTENSION

PADLOCKABLE PRESENTATION

Yellow/Red Handle
Part Number

Grey Handle
Part Number



0165209NS

50 A

3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0165209NS
0165219NS
0165229NS
0165239NS

0168209NS
0168219NS
0168229NS
0168239NS



0168209NS

63 A

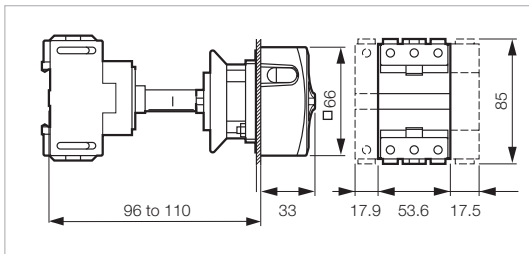
3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0165309NS
0165319NS
0165329NS
0165339NS

0168309NS
0168319NS
0168329NS
0168339NS

STANDARD VERSIONS IP40 RATED.

**TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0165209NS-1**

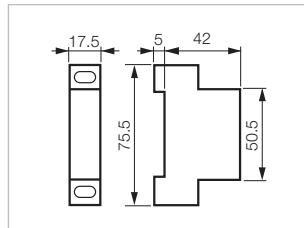


COMPONENTS AND ACCESSORIES

Part Number



0172179



3-pole switch body without handle

50 A
63 A

0172200
0172300

Additional pole

50 A
63 A

0172275
0172375

Neutral pole

50 A
63 A

0172265
0172365

Junction block

Ground or Neutral

0172385

Auxiliary contact

NC/NO

0172179

IP65 Seal Kit

0174259

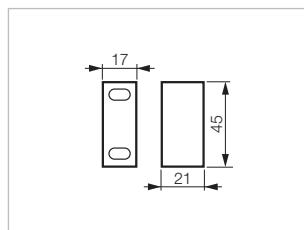
Replacement Handle, Plate, and Frame

66 - Yellow/Red
 66 - Grey

0172601
0174601



0172395



50A / 63A

▶ DOOR INTERLOCK MOUNTING - SHORT METAL SHAFT EXTENSION

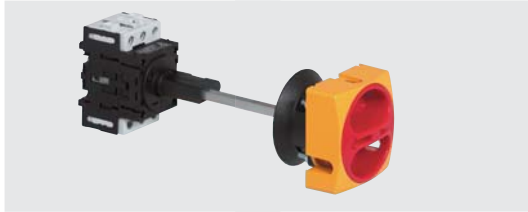


Technical Info (p.192)

PADLOCKABLE PRESENTATION

Yellow/Red Handle
Part Number

Grey Handle
Part Number

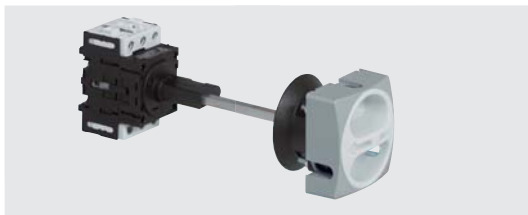


0165209SS

50 A
3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0165209SS
0165219SS
0165229SS
0165239SS

0168209SS
0168219SS
0168229SS
0168239SS



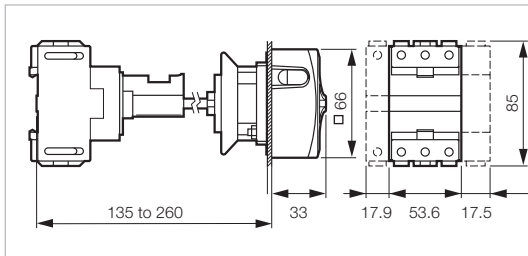
0168209SS

63 A
3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0165309SS
0165319SS
0165329SS
0165339SS

0168309SS
0168319SS
0168329SS
0168339SS

STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0165209SS-1

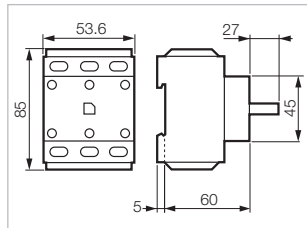


COMPONENTS AND ACCESSORIES

Part Number



0172300



3-pole switch body without handle

50 A
63 A

0172200
0172300

Additional pole

50 A
63 A

0172275
0172375

Neutral pole

50 A
63 A

0172265
0172365

Junction block

Ground or Neutral

0172385

Auxiliary contact
NC/NO

0172179

IP65 Seal Kit

0174259

Replacement Handle

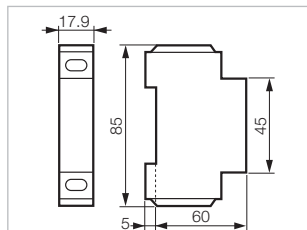
□ 66 - Yellow/Red
□ 66 - Grey

0172601
0174601



0172375

0172385



50A / 63A



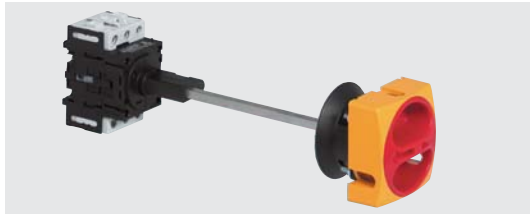
Technical Info (p. 192)

▶ DOOR INTERLOCK MOUNTING - LONG METAL SHAFT EXTENSION

PADLOCKABLE PRESENTATION

Yellow/Red Handle
Part Number

Grey Handle
Part Number



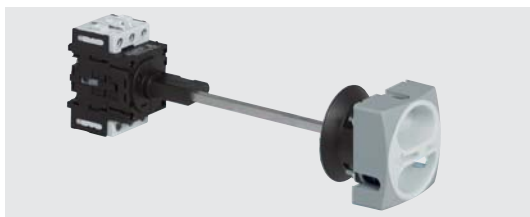
0165209LS

50 A

3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0165209LS
0165219LS
0165229LS
0165239LS

0168209LS
0168219LS
0168229LS
0168239LS



0168209LS

63 A

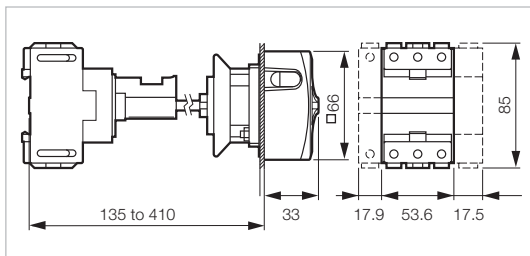
3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0165309LS
0165319LS
0165329LS
0165339LS

0168309LS
0168319LS
0168329LS
0168339LS

STANDARD VERSIONS IP40 RATED.

**TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0165209LS-1**

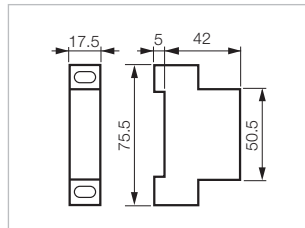


COMPONENTS AND ACCESSORIES

Part Number



0172179



3-pole switch body without handle

50 A
63 A

0172200
0172300

Additional pole

50 A
63 A

0172275
0172375

Neutral pole

50 A
63 A

0172265
0172365

Junction block

Ground or Neutral

0172385

Auxiliary contact

NC/NO

0172179

IP65 Seal Kit

0174259

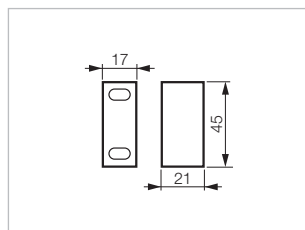
Replacement Handle

66 - Yellow/Red
 66 - Grey

0172601
0174601



0172395



50A / 63A

ENCLOSURES

 Technical Info (p. 192)

PADLOCKABLE PRESENTATION



0172261

0174261

50 A

3P
3P + NC/NO
4P neutral on left
4P + NC/NO

Yellow/Red Handle
Part Number

0172261
0172271
0172281
0172291

Grey Handle
Part Number

0174261
0174271
0174281
0174291

63 A

3P
3P+NC/NO
4P neutral on left
4P + NC/NO

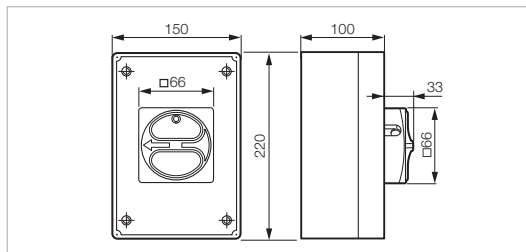
0172361
0172371
0172381
0172391

0174361
0174371
0174381
0174391

STANDARD VERSIONS IP40 RATED.

TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.

IE. 0172261-6



Cable entries: 4 x PG21

PADLOCKABLE PRESENTATION



0172209

0174209

50 A

6P
6P + NC/NO

Yellow/Red Handle
Part Number

0172209
0172229

Grey Handle
Part Number

0174209
0174229

63 A

6P
6P+NC/NO

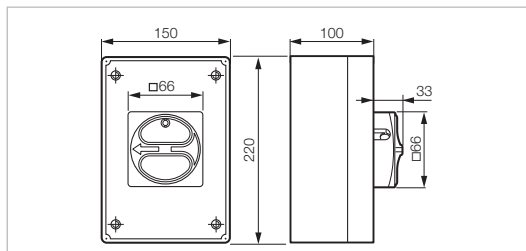
0172309
0172329

0174309
0174329

STANDARD VERSIONS IP40 RATED.

TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.

IE. 0172209-6



Cable entries: 4 x PG29

CABLE GLANDS



PG21-GY

PG21
PG29

Cable Range 13mm - 18mm
Cable Range 18mm - 25mm

Part Number

PG21-GY
PG29-GY

50A / 63A

ENCLOSURES



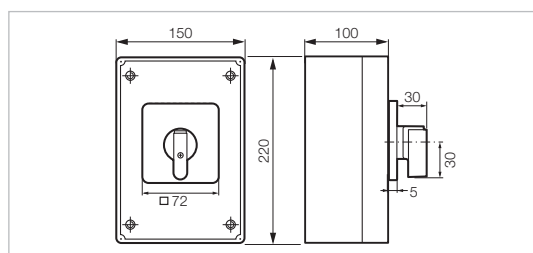
Technical Info (p. 192)

NON- PADLOCKABLE PRESENTATION



0172262

0174262



Cable entries: 4 x PG21

	Yellow/Red Handle Part Number	Grey Handle Part Number
50 A		
3P	0172262	0174262
3P + NC/NO	0172272	0174272
4P neutral on left	0172282	0174282
4P + NC/NO	0172292	0174292
63 A		
3P	0172362	0174362
3P+NC/NO	0172372	0174372
4P neutral on left	0172382	0174382
4P + NC/NO	0172392	0174392

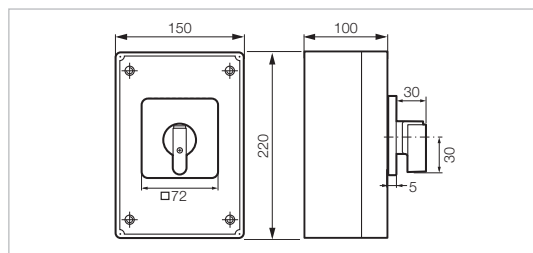
STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.
IE. 0172262-6

NON- PADLOCKABLE PRESENTATION



0172219

0174219



Cable entries: 4 x PG29

	Yellow/Red Handle Part Number	Grey Handle Part Number
50 A		
6P	0172219	0174219
6P + NC/NO	0172239	0174239
63 A		
6P	0172319	0174319
6P+NC/NO	0172339	0174339

STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.
IE. 0172219-6

CABLE GLANDS



PG21-GY

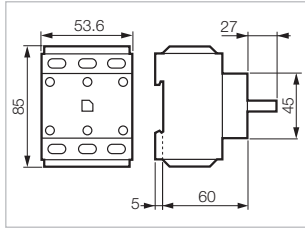
		Part Number
PG21	Cable Range 13mm - 18mm	PG21-GY
PG29	Cable Range 18mm - 25mm	PG29-GY

50A / 63A

► BLOCKS

 Technical Info (p. 192)

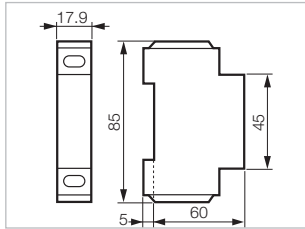
Part Number



3-pole body switch without presentation
50 A
63 A

0172200
0172300

0172300



Additional pole
(for use in enclosure only)

50 A
63 A

0172275
0172375

Neutral pole

50 A
63 A

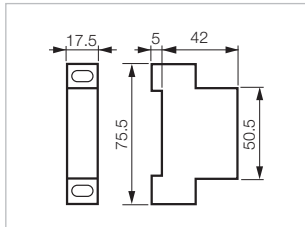
0172265
0172365

0172375

0172385

Junction block
Ground or Neutral

0172385



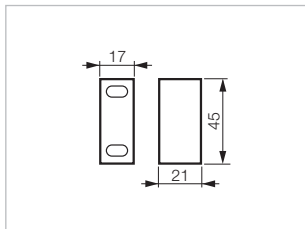
Auxiliary contact
NC/NO

1 pole early break

0172179

0172395

0172179



0172395

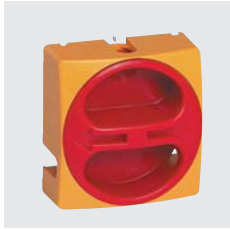
50A / 63A



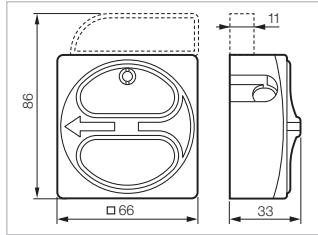
Technical Info (p. 192)

▶ HANDLES

Part Number



0172601



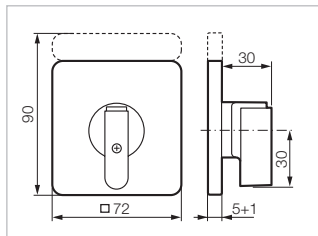
Padlockable presentation
Padlock: \varnothing 6 to 8 mm

- 66 - Yellow/Red
- 66 - Grey

0172601
0174601



0172612



With plate, frame and handle

- 72 - Yellow/Red
- 72 - Grey

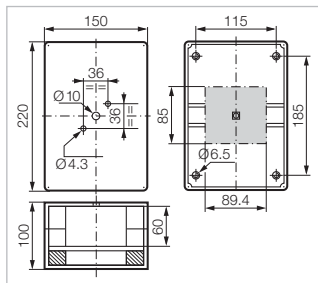
0172612
0174612

▶ EMPTY ENCLOSURES

WITHOUT HANDLE



0172569

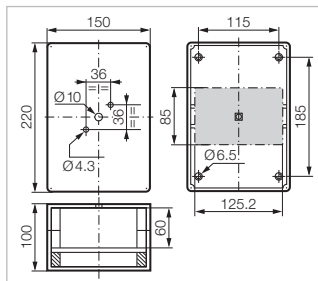


Grey - Up to 4 poles + auxiliary contact
220 x 150 x 100 mm
Cable entries: 4 x PG21

0172569



0172579



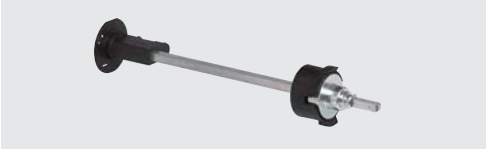






Grey - Up to 6 poles + auxiliary contact
220 x 150 x 100 mm
Cable entries: 4 x PG29

0172579

▶ ACCESSORIES

 Technical Info (p. 192)

		Part Number
 0172367	Terminal covers	
	For 3-pole switch	0172367
	For additional pole, neutral pole or junction block	0172377
	For NC/NO auxiliary contact (pair)	0172189
 0172649	Duty labels	
	Blank	0172629
	Engraved INTER PRINCIPAL	0172639
	Engraved MAIN SWITCH	0172649
 0174189	Kit for clutch drive presentation	
	Short shaft without door interlock	0174189
	Long shaft without door interlock	0174199
	Without shaft and without door interlock	0174179
 0174179	kit for door interlock	0174249
 0174249	IP 65 seal kit	
	For front mounting switches and enclosures	
 0172277	Padlockable <input type="checkbox"/> 66 or plate and frame <input type="checkbox"/> 64 or <input type="checkbox"/> 72	0172267
	For rear mounting with clutch drive	
 PG21-GY	Padlockable <input type="checkbox"/> 66 or plate and frame <input type="checkbox"/> 64 or <input type="checkbox"/> 72	0174259
Cable Glands		
PG21	Cable Range 13mm - 18mm	PG21-GY
PG29	Cable Range 18mm - 25mm	PG29-GY

80A / 100A

▶ DOOR/PANEL MOUNTING

 Technical Info (p.192)

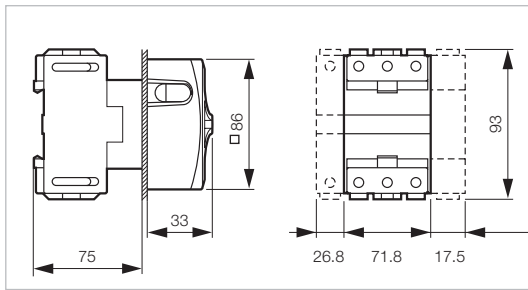
PADLOCKABLE PRESENTATION



0172401



0174501



80 A

- 3P
- 3P + NC/NO
- 4P neutral on left
- 4P + NC/NO

Yellow/Red Handle
Part Number

- 0172401
- 0172411
- 0172421
- 0172431

Grey Handle
Part Number

- 0174401
- 0174411
- 0174421
- 0174431

100 A

- 3P
- 3P+NC/NO
- 4P neutral on left
- 4P + NC/NO

- 0172501
- 0172511
- 0172521
- 0172531

- 0174501
- 0174511
- 0174521
- 0174531

STANDARD VERSIONS IP40 RATED.

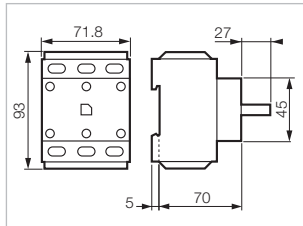
TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0172401-1

COMPONENTS AND ACCESSORIES

Part Number



0172400



3-pole switch body without handle

- 80 A
- 100 A

- 0172400
- 0172500

Additional pole

- 80 A
- 100 A

- 0172475
- 0172575

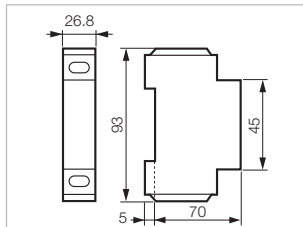
Neutral pole

- 80 A
- 100 A

- 0172465
- 0172565



0172475



Junction block

Ground or Neutral

0172585

Auxiliary contact

NC/NO

0172179

IP65 Seal Kit

0172277

Replacement Handle

- 86 - Yellow/Red
- 86 - Grey

- 0172621
- 0174621

80A / 100A

▶ DOOR/PANEL MOUNTING



Technical Info (p. 192)

NON- PADLOCKABLE PRESENTATION



0172402



0174502

80 A

3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0172402
0172412
0172422
0172432

0174402
0174412
0174422
0174432

100 A

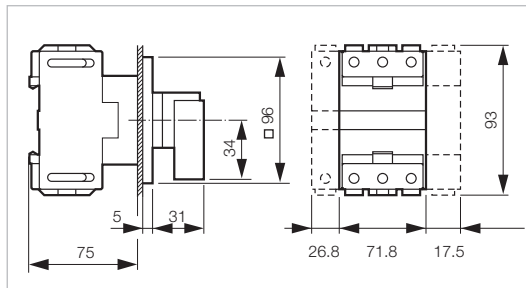
3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0172502
0172512
0172522
0172532

0174502
0174512
0174522
0174532

STANDARD VERSIONS IP40 RATED.

TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0172402-1

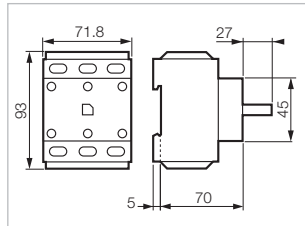


COMPONENTS AND ACCESSORIES

Part Number



0172400



3-pole switch body without handle

80 A
100 A

0172400
0172500

Additional pole

80 A
100 A

0172475
0172575

Neutral pole

80 A
100 A

0172465
0172565

Junction block

Ground or Neutral

0172585

Auxiliary contact

NC/NO

0172179

IP65 Seal Kit

0172277

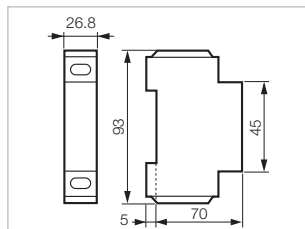
Replacement Handle

96 - Yellow/Red
 96 - Grey

0172622
0174622



0172475



80A / 100A

► DIN-RAIL IN-PANEL MOUNTING

 Technical Info (p.192)

PADLOCKABLE PRESENTATION

Grey Handle
Part Number



0174405

80 A

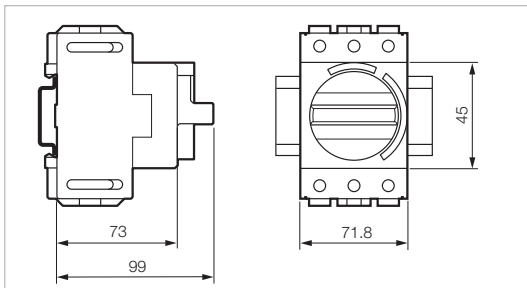
3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0174405
0174415
0174425
0174435

100 A

3P
3P+NC/NO
4P neutral on left
4P + NC/NO

0174505
0174515
0174525
0174535

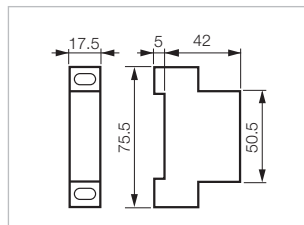


COMPONENTS AND ACCESSORIES

Part Number



0172179



3-pole switch body without handle

80 A
100 A

0172400
0172500

Additional pole

80 A
100 A

0172475
0172575

Neutral pole

80 A
100 A

0172465
0172565

Junction block

Ground or Neutral

0172585

Auxiliary contact

NC/NO

0172179

80A / 100A

▶ DOOR INTERLOCK MOUNTING - NO METAL SHAFT EXTENSION



Technical Info (p.192)

PADLOCKABLE PRESENTATION

Yellow/Red Handle
Part Number

Grey Handle
Part Number



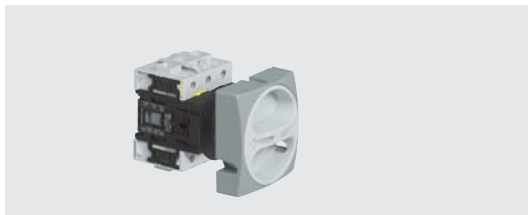
0165409NS

80 A

- 3P
- 3P + NC/NO
- 4P neutral on left
- 4P + NC/NO

- 0165409NS
- 0165419NS
- 0165429NS
- 0165439NS

- 0168409NS
- 0168419NS
- 0168429NS
- 0168439NS



0168509NS

100 A

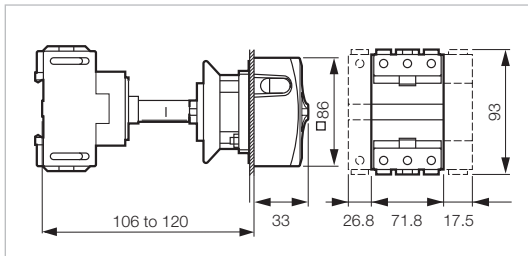
- 3P
- 3P + NC/NO
- 4P neutral on left
- 4P + NC/NO

- 0165509NS
- 0165519NS
- 0165529NS
- 0165539NS

- 0168509NS
- 0168519NS
- 0168529NS
- 0168539NS

STANDARD VERSIONS IP40 RATED.

TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0165409NS-1

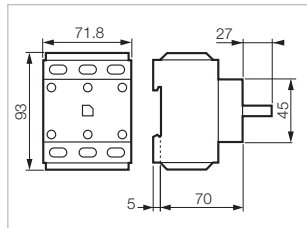


COMPONENTS AND ACCESSORIES

Part Number



0172400



3-pole switch body without handle

- 80 A
- 100 A

- 0172400
- 0172500

Additional pole

- 80 A
- 100 A

- 0172475
- 0172575

Neutral pole

- 80 A
- 100 A

- 0172465
- 0172565

Junction block

Ground or Neutral

0172585

Auxiliary contact
NC/NO

0172179

IP65 Seal Kit

0174269

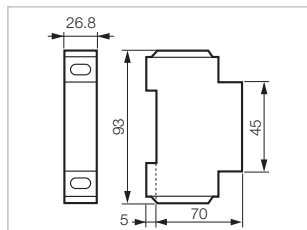
Replacement Handle

- 86 - Yellow/Red
- 86 - Grey

- 0172621
- 0174621



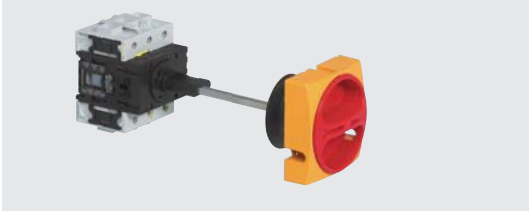
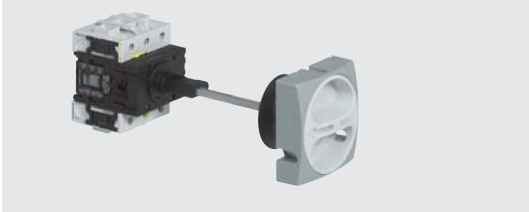
0172475



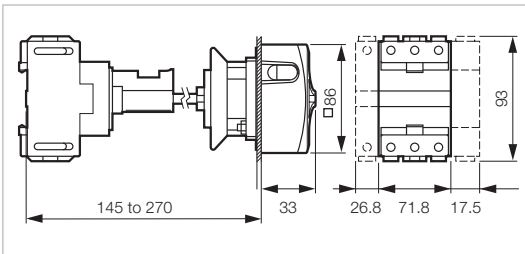
80A / 100A


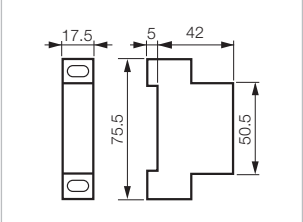



▶ DOOR INTERLOCK MOUNTING - SHORT METAL SHAFT EXTENSION

PADLOCKABLE PRESENTATION	Yellow/Red Handle	Grey Handle	
	Part Number	Part Number	
 0165409SS	80 A		
	3P	0165409SS	0168409SS
	3P + NC/NO	0165419SS	0168419SS
	4P neutral on left	0165429SS	0168429SS
	4P + NC/NO	0165439SS	0168439SS
 0168509SS	100 A		
	3P	0165509SS	0168509SS
	3P + NC/NO	0165519SS	0168519SS
	4P neutral on left	0165529SS	0168529SS
	4P + NC/NO	0165539SS	0168539SS

**STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0165409SS-1**



COMPONENTS AND ACCESSORIES		Part Number	
 0172179		3-pole switch body without handle	
		80 A	0172400
		100 A	0172500
		Additional pole	
		80 A	0172475
		100 A	0172575
		Neutral pole	
		80 A	0172465
		100 A	0172565
		Junction block	
		Ground or Neutral	0172585
		Auxiliary contact	
		NC/NO	0172179
 0174269		IP65 Seal Kit	0174269
		Replacement Handle	
		<input type="checkbox"/> 86 - Yellow/Red	0172621
		<input type="checkbox"/> 86 - Grey	0174621

80A / 100A

▶ DOOR INTERLOCK MOUNTING - LONG METAL SHAFT EXTENSION

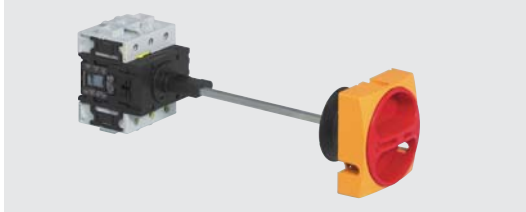


Technical Info (p.192)

PADLOCKABLE PRESENTATION

Yellow/Red Handle
Part Number

Grey Handle
Part Number



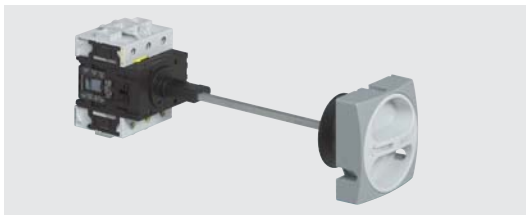
0165409LS

80 A

3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0165409LS
0165419LS
0165429LS
0165439LS

0168409LS
0168419LS
0168429LS
0168439LS



0168509LS

100 A

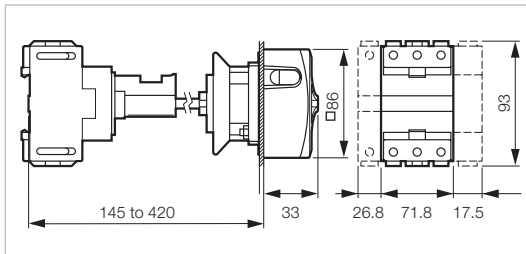
3P
3P + NC/NO
4P neutral on left
4P + NC/NO

0165509LS
0165519LS
0165529LS
0165539LS

0168509LS
0168519LS
0168529LS
0168539LS

STANDARD VERSIONS IP40 RATED.

TO ORDER WITH IP65 GASKETS ADD -1 TO PART NUMBERS ABOVE.
IE. 0165409LS-1

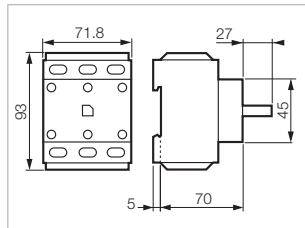


COMPONENTS AND ACCESSORIES

Part Number



0172400



3-pole switch body without handle

80 A
100 A

0172400
0172500

Additional pole

80 A
100 A

0172475
0172575

Neutral pole

80 A
100 A

0172465
0172565

Junction block

Ground or Neutral

0172585

Auxiliary contact

NC/NO

0172179

IP65 Seal Kit

0174269

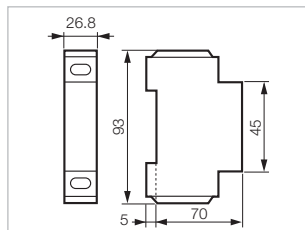
Replacement Handle

86 - Yellow/Red
 86 - Grey

0172621
0174621



0172475



80A / 100A

► ENCLOSURES



PADLOCKABLE PRESENTATION

Yellow/Red Handle
Part Number

Grey Handle
Part Number



0172461

0174561

80 A

3P
3P + NC/NO
4P neutral on left
4P + NC/NO

01723261
0172471
0172481
0172491

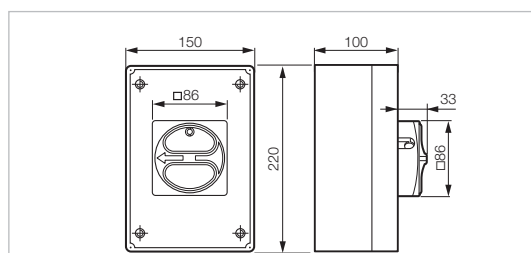
0174461
0174471
0174481
0174491

100 A

3P
3P+NC/NO
4P neutral on left
4P + NC/NO

0172561
0172571
0172581
0172591

0174561
0174571
0174581
0174591



Cable entries: 4 x PG29

STANDARD VERSIONS IP40 RATED.

TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.

IE. 0172461-6

PADLOCKABLE PRESENTATION

Yellow/Red Handle
Part Number

Grey Handle
Part Number



0172409

0174509

80 A

6P
6P + NC/NO

0172409
0172429

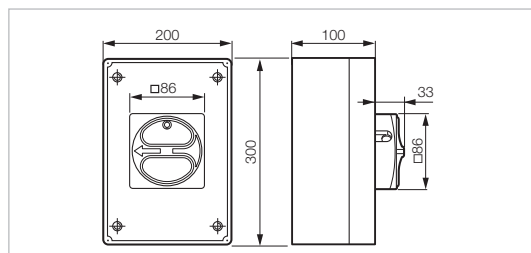
0174409
0174429

100 A

6P
6P+NC/NO

0172509
0172529

0174509
0174529



Cable entries: 4 x PG29 and 4 x PG21

STANDARD VERSIONS IP40 RATED.

TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.

IE. 0172409-6

CABLE GLANDS

Part Number



PG21-GY

PG21
PG29

Cable Range 13mm - 18mm
Cable Range 18mm - 25mm

PG21-GY
PG29-GY

80A / 100A

ENCLOSURES

 Technical Info (p. 192)

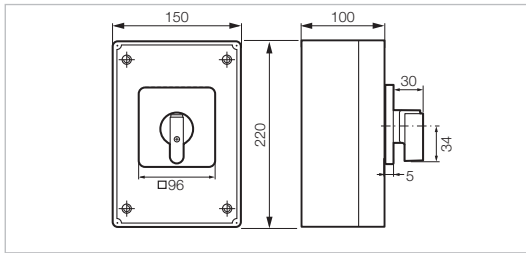
NON- PADLOCKABLE PRESENTATION



0172462

0174562

	Yellow/Red Handle Part Number	Grey Handle Part Number
80 A		
3P	0172462	0174462
3P + NC/NO	0172472	0174472
4P neutral on left	0172482	0174482
4P + NC/NO	0172492	0174492
100 A		
3P	0172562	0174562
3P+NC/NO	0172572	0174572
4P neutral on left	0172582	0174582
4P + NC/NO	0172592	0174592



Cable entries: 4 x PG29

STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.
IE. 0172462-6

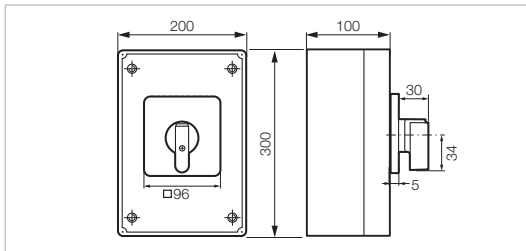
NON- PADLOCKABLE PRESENTATION



0172419

0174519

	Yellow/Red Handle Part Number	Grey Handle Part Number
80 A		
6P	0172419	0174419
6P + NC/NO	0172439	0174439
100 A		
6P	0172519	0174519
6P+NC/NO	0172539	0174539



Cable entries: 4 x PG29 and 4 x PG21

STANDARD VERSIONS IP40 RATED.
TO ORDER WITH IP65 GASKETS ADD -6 TO PART NUMBERS ABOVE.
IE. 0172419-6

CABLE GLANDS



PG21-GY

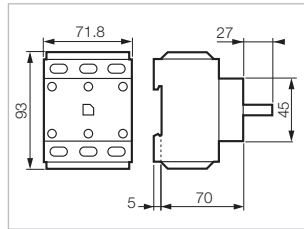
		Part Number
PG21	Cable Range 13mm - 18mm	PG21-GY
PG29	Cable Range 18mm - 25mm	PG29-GY

80A / 100A

 Technical Info (p. 192)

► BLOCKS

Part Number



3-pole body switch without presentation
80 A
100 A

0172400
0172500

0172400



Additional pole
(for use in enclosure only)
80 A
100 A

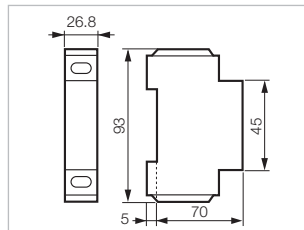
0172475
0172575

0172475

0172465

Neutral pole
80 A
100 A

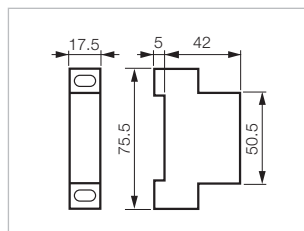
0172465
0172565



Junction block
Ground or Neutral

0172585

0172585



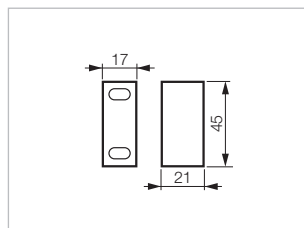
Auxiliary contact
NC/NO

0172179

0172179

1 pole early break

0172595



0172595

80A / 100A

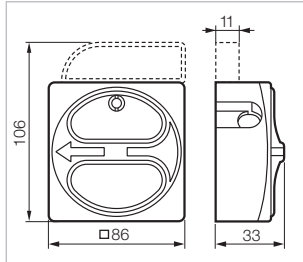
▶ HANDLES

 Technical Info (p. 192)

Part Number



0172621



Padlockable presentation

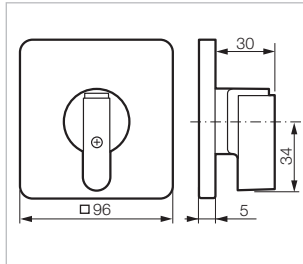
Padlock: \varnothing 6 to 8 mm

- 86 - Yellow/Red
- 86 - Grey

0172621
0174621



0172622



With plate, frame and handle

- 96 - Yellow/Red
- 96 - Grey

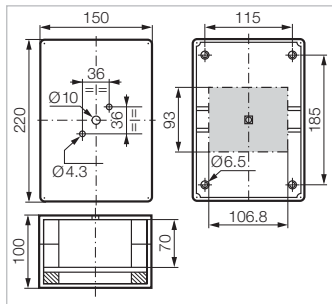
0172622
0174622

▶ EMPTY ENCLOSURES

WITHOUT HANDLE



0172589

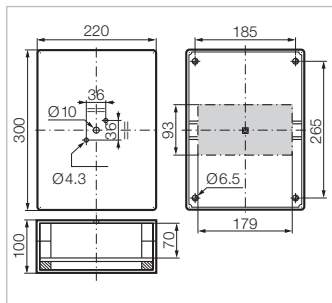


Grey - Up to 3 poles + auxiliary contact
220 x 150 x 100 mm
Cable entries: 4 x PG29

0172589



0172599



Grey - Up to 6 poles + auxiliary contact
300 x 200 x 100 mm
Cable entries: 4 x PG29 and 4 x PG21

0172599

80A / 100A

▶ ACCESSORIES

 Technical Info (p. 192)

Part Number



0172567

Terminal covers

For 3-pole body switch
 For additional pole, neutral pole or junction block
 For NC/NO auxiliary contact (pair)
 For early break auxiliary contact

0172567
0172577
0172189
0172199



0172649

Duty labels

Blank
 Engraved MAIN SWITCH

0172629
0172649



0174189

Kit for clutch drive presentation

Short shaft without door interlock
 Long shaft without door interlock
 Without shaft and without door interlock

0174189
0174199
0174179

kit for door interlock

0174249



0174179



0174249

IP 65 seal kit

For front mounting switches and enclosures

Padlockable 86 or plate and frame 96

0172277

For rear mounting with clutch drive

Padlockable 86 or plate and frame 96

0174269

Cable Glands

PG21

Cable Range 13mm - 18mm

PG21-GY

PG29

Cable Range 18mm - 25mm

PG29-GY



0172277



PG21-GY

Enclosure Selection Guide

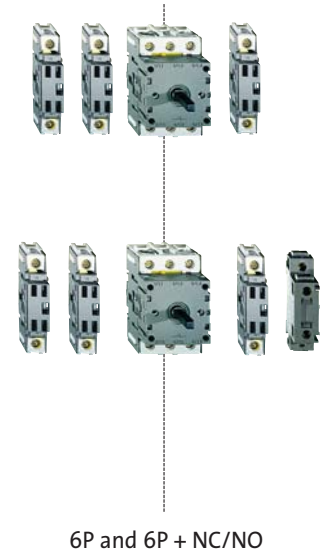
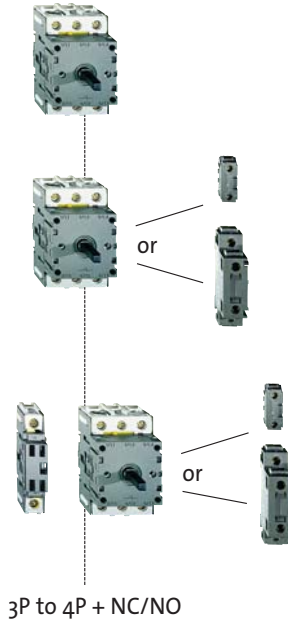
▶ 25A / 32A

Enclosure 150 x 100 x 96 mm

Enclosure 220 x 150 x 100 mm



Example: switch disconnecter 32 A
Enclosed 4 poles,
padlockable presentation



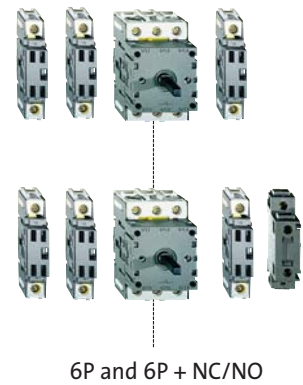
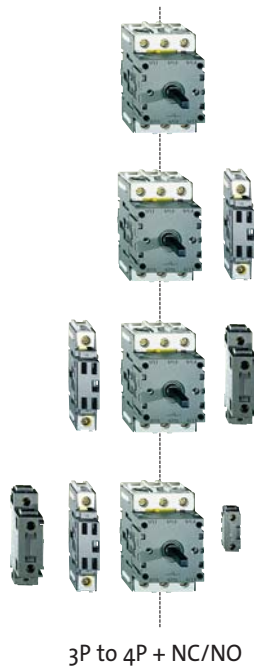
▶ 50A / 63A

Enclosure 220 x 150 x 100mm

Enclosure 220 x 150 x 100 mm



Example: switch disconnecter 50 A
Enclosed 6 poles,
Plate, frame and handle presentation



Enclosure Selection Guide

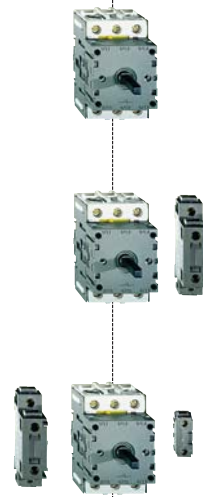
▶ 80A / 100A

Enclosure 220 x 150 x 100 mm

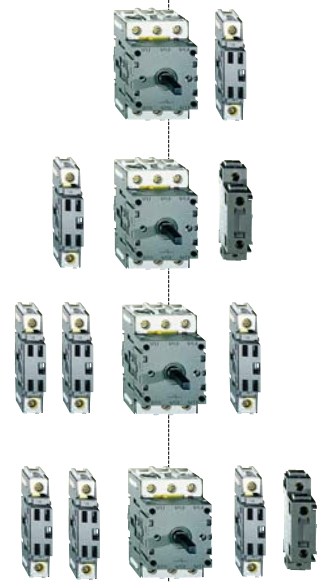
Enclosure 300 x 220 x 100 mm



Example: switch disconnecter 100 A
Enclosed 4 poles,
padlockable presentation



3P and 3P + NC/NO



4P and 6P + NC/NO

LEGEND



basic 3-pole block



additional pole
additional neutral pole
junction block



Auxiliary contact NC/NO



early break auxiliary contact

Technical Specifications

▶ GENERAL

Characteristics	25 A	32 A	50 A	63 A	80 A	100 A
UL/cUL - suitable as motor disconnect						
▶ Rated voltage (V)	600	600	600	600	600	600
▶ General Use Current (A)	25	32	50	63	80	100
▶ Motor Ratings (hp)						
1 x 120 V	0.75	1	1.5	3	3	5
1 x 240 V	1.5	2	3	5	10	10
1 x 277 V	2	3	5	7.5	10	15
3 x 120 V	1.5	2	3	5	7.5	10
3 x 240 V	3	5	7.5	10	20	25
3 x 480 V	7.5	10	15	20	40	50
3 x 600 V	7.5	10	15	20	40	50
▶ Auxiliary Blocks						
NO/NC	A600					
Early Make	B300					
Early Break	B300					
▶ Wire Gauge (AWG)						
3-Pole Body, Additional Pole, Late Break Neutral, Junction Block	8 - 14	8 - 14	4 - 14	4 - 14	1 - 14	1 - 14
Auxiliary Contacts	14 - 18	14 - 18	14 - 18	14 - 18	14 - 18	14 - 18
▶ Short Circuit Rating						
Fuse Type K5 (A)	5000	5000	5000	5000	5000	10000
Fuse Size (A)	40	40	80	80	125	125
Rated break capacity	330	330	800	800	800	800

Technical Specifications

▶ GENERAL

Characteristics	25 A	32 A	50 A	63 A	80 A	100 A
IEC						
▶ Rated insulation voltage U_i (V)	690	690	690	690	690	690
▶ Conventional free air thermal current I_{th} Uninterrupted rated current I_u (A)	25	32	50	63	80	100
▶ Conventional enclosed thermal current I_{the} (A)	20	25	40	50	63	80
▶ Rated impulse withstand voltage (overvoltage category III - pollution degree 3 U_{imp} (kV)	6	6	6	6	6	6
▶ Rated operating current I_e (A) AC - 21 A/22 A Conform to IEC 60947-3	25	32	50	63	80	100
▶ Rated operating power (kW)						
AC 23 A						
3 x 230 V	5.5	5.5	15	15	18.5	22
3 x 400 V	7.5	11	18.5	22	30	37
3 x 500 V	7.5	11	22	30	37	45
3 x 690 V	7.5	11	18.5	22	22	30
AC 3						
3 x 230 V	4	4	7.5	11	15	18.5
3 x 400 V	5.5	7.5	15	18.5	22	30
3 x 500 V	5.5	7.5	15	22	30	37
3 x 690 V	5.5	7.5	15	18.5	18.5	22
▶ Make - break characteristics ($A_{eff}/400$ V)						
Rated make capacity	710	710	1270	1270	1970	1970
Rated break capacity	330	330	800	800	800	800
▶ Short circuit characteristics						
Rated short term withstand current I_{cW} ($A_{eff}/400$ V/1 s)	350	430	500	760	1100	1500
Rated short circuit make capacity I_{cm} (kA peak/400 V)	1	1	1.8	1.8	2.8	2.8
Short circuit current (kA $_{eff}/400$ V)	10	10	10	10	10	10
with fuse gI/gG (A)	25	32	50	63	80	100

Technical Specifications

▶ GENERAL

Characteristics	25 A	32 A	50 A	63 A	80 A	100 A
▶ Mechanical life AC 20 (million)	0.1	0.1	0.04	0.04	0.04	0.04
▶ Connections						
Stranded wire + (min/max) cap (mm ²)	0.75/6	0.75/6	1.5/16	1.5/16	2.5/35	2.5/35
Solid wire (mm ²)	10	10	25	25	50	50
▶ Operating and Storage temperature	-30°C to +70 °C , -22°F to +158°F					
▶ Protection rating	rear of panel: IPxxB front of panel IP 40 in standard version (IP 65 on request)					
▶ Conformity to standards	IEC 60697-3 -EN 60 947-3, UL508, CSA22.2, CB Certificate					
▶ Climatic resistance Tropical atmosphere according to	IEC 60068-2-30 Cyclic damp heat					

▶ AUXILIARY CONTACTS

Characteristics	25 A	32 A	50 A	63 A	80 A	100 A
▶ Rated insulation voltage Ui (V)	400	400	400	400	400	400
▶ Conventional free air thermal current Ith						
Continuous rated current Iu (A)	10	10	10	10	10	10
▶ Rated operating current Ie (A)						
AC 15						
230 V	6	6	6	6	6	6
400 V	4	4	4	4	4	4
▶ PROTECTION AGAINST SHORT CIRCUIT BY FUSE GG (A)	10	10	10	10	10	10
▶ Max. connection stranded wire (mm ²)	2 x 2.5	2 x 2.5	2 x 2.5	2 x 2.5	2 x 2.5	2 x 2.5

Technical Specifications

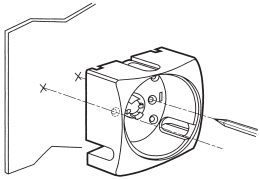
► ENCLOSURES

Characteristics	150x100x96	220x150x100	220x150x100	220x150x100	220x150x100	300x200x100
► Rating	25 and 32 A 3P to 4P +NC/NO	25 and 32 A 6P and 6P +NC/NO	50 and 63 A 3P to 4P +NC/NO	50 and 63 A 6P and 6P +NC/NO	80 and 100 A 3P and 3P +NC/NO	80 and 100 A 4P to 6P +NC/NO
► Cable inputs	2 x 2 PG 16 OR 2 x 2 M25	2 x 2 PG 21	2 x 2 PG 21	2 x 2 PG 29	2 x 2 PG 29	2 x 2 PG 21 2 x 2 PG 29
► Ø knockouts (mm)	PG 16: 22.5 ISO M25: 25	28.5	28.5	37.5	37.5	37.5 and 28.5
► No. of knockouts (top and bottom)	2	2	2	2	2	4
► Panel mount	by 2 screws	by 4 screws	by 4 screws	by 4 screws	by 4 screws	by 4 screws
► Base/cover assembly	by 1 screws self-tapping stainless steel	by 4 screws self-tapping stainless steel	by 4 screws self-tapping stainless steel	by 4 screws self-tapping stainless steel	by 4 screws self-tapping stainless steel	by 6 screws self-tapping stainless steel
► Switch/base assembly	on 35 mm DIN rail (this rail is notched for positioning the switch)					
► Handles mounting	screwing on shaft pre-pierced cover					
► Insulation	Class II installed (provided that the correct insulation plugs are used with the enclosure)					
► Impact withstand	IK07					
► Flameproof	650°C					
► Protection rating	IP 66	IP 40 (IP 65 upon request)				
► Contact operating diagram						
► Switch padlocking	In general: up to 3 padlocks \varnothing 4 to 8 mm Switch with 1 auxiliary contact NC/NO: up to 3 padlocks \varnothing 6 to 8 mm Modular presentation: 1 padlock \varnothing 6 to 8 mm					

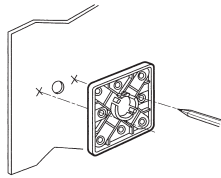
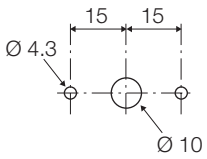
Technical Specifications

► MOUNTING - PANEL DRILLING

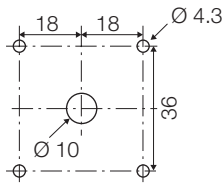
Panel/Door Handle Mounting



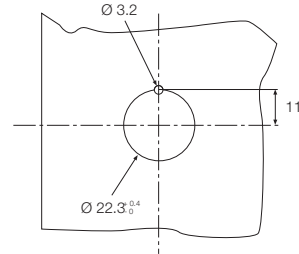
25A/32A



50A/63A/80A/100A

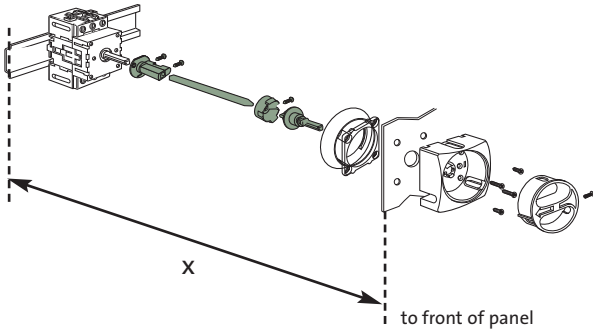


Ø22 Single Hole Mounting

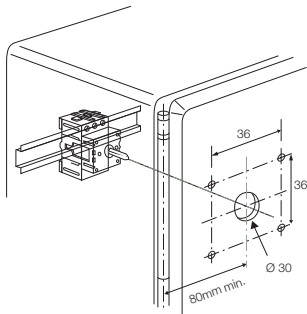
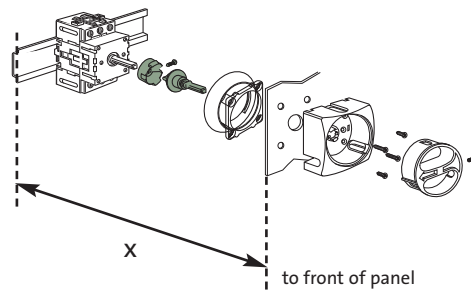


Door Interlock System

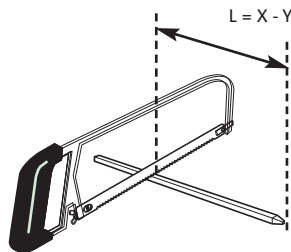
Short or Long Metal Shaft Version



No Metal Shaft Version



Minimum Distance to Hinge



	X			Y
	without shaft	with short shaft	with long shaft	
25A / 32A	86 - 100 mm	125 - 250 mm	125 - 400 mm	92 mm
50A / 63A	96 - 110 mm	135 - 260 mm	135 - 410 mm	102 mm
80A / 100A	106 - 120 mm	145 - 270 mm	145 - 420 mm	112 mm

Protection, flexibility and safety

Cam switches from 10 to 63 A

► STANDARD SOLUTIONS P. 198 - 223

The expertise of a specialist like Baco allows us to offer custom solutions, even the most specific.



Choice of electrical configuration
from 1 to 24 contacts

Metal shaft
can withstand more than
1 million operations

**Customized
engravings**

► ADVANTAGES

- Conform to European and international standards: IEC, UL and CSA, and CCC
- A metal shaft capable of withstanding more than 1 million operations
- More than 50,000 different electrical diagrams available
- Many specific functions and special markings

MINI CAM SWITCHES

▶ ø16/22mm single hole mounting

 Technical Info (p. 224)

GENERAL USE RATING 12A

IP65 standard



223501



223511












223525



223528

Mounting and Dimensions see pg 199

Function	General use rating - amps	Number of poles	Number of contacts	Positions	Part Number
ON/OFF	10	1	1		223501
	10	2	2		223502
	10	3	3		223503
	10	4	4		223504
CHANGEVER WITHOUT "OFF"	10	1	2		223511
	10	2	4		223512
	10	3	6		223513
	10	4	8		223514
CHANGEVER WITH "OFF"	10	1	2		223505
	10	2	4		223506
	10	3	6		223507
	10	4	8		223508
THREE WAY WITHOUT "OFF"	10	1	3		223515
	10	2	6		223516
	10	3	9		223517
THREE WAY WITH "OFF"	10	1	3		223521
	10	2	6		223522
	10	3	9		223523
FOUR WAY WITHOUT "OFF"	10	1	4		223525
	10	2	8		223526
AMMETER - 3 CTs WITH COMMON POINT Contact Configuration - 8151	10		6		223529
VOLTMETER - WITHOUT NEUTRAL Contact Configuration - 8351	10		4		223527
VOLTMETER - WITH NEUTRAL Contact Configuration - 8357	10		6		223528

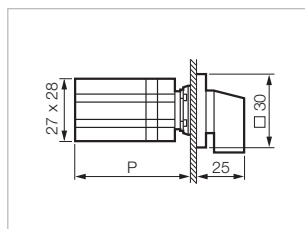
MINI CAM SWITCHES

► Technical Specifications

Characteristics	Data
► Thermal current I _{th}	10 A
► Rated operating current I _e	
- in AC 21	10 A
- in AC 15	2.5 A
► Motor performance in AC-3	
- 3 x 230 V	1.8 kW
- 3 x 400 V	2.2 kW
► Motor performance in AC-23	
- 1 x 230 V	0.75 kW
- 1 x 400 V	1.1 kW
- 3 x 230 V	1.8 kW
- 3 x 400 V	3 kW
► Rated insulation voltage U _i (V)	500 V
► Rated operating current in DC-1	
L/R < 1ms	
- 24 V DC	10 A
- 40 V DC	6 A
- 60 V DC	2.5 A
- 110 V DC	0.7 A
- 220 V DC	0.3 A

Characteristics	Data
► Rated conditional short-circuit current	3 kA
► Max. fuse rating	10 A
► Degree of protection	IP 65 IP 2x at the rear of the panel
► Wire size (flexible and rigid)	2 x 1.5 mm ² max. 1 x 0.5 mm ² min.
► Operating temperature	- 20°C to + 50°C
► Standards	IEC/EN 60947-1 IEC/EN 60947-3 CSA 22.2 UL 508

Dimensions

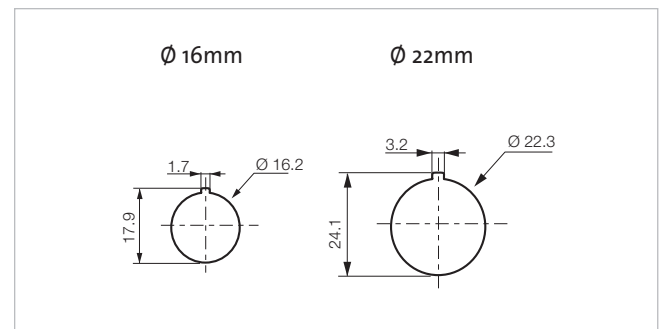


Dimensions in mm
 *P: 46 (1-2 CONTACTS)
 58 (3-4 CONTACTS)
 70 (5-6 CONTACTS)
 82 (7-8 CONTACTS)
 94 (9-10 CONTACTS)

Panel Thickness

1 to 5.5mm

Mounting



CAM SWITCHES

► Single Hole Mounting $\phi 22\text{mm}$

 Technical Info (p. 224)

GENERAL USE RATING 12A

IP40 standard - IP65 available upon request



HANDLE WITH LEGEND



HANDLE





LEVER



KEY

Mounting and Dimensions see pg 226 to 229

Switch Series	Operator	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	HANDLE/LEGEND	1	1		PR12 1101 A4 E N48MD50	NB01AX80
PR12	HANDLE/LEGEND	2	2		PR12 1102 A4 E N48MD50	NB02AX80
PR12	HANDLE/LEGEND	3	3		PR12 1103 A4 E N48MD50	NB03AX80
PR12	HANDLE/LEGEND	4	4		PR12 1104 A4 E N48MD50	NB04AX80
PR12	HANDLE	1	1		PR12 1101 A4 E C21RA03	NB01AC113
PR12	HANDLE	2	2		PR12 1102 A4 E C21RA03	NB02AC113
PR12	HANDLE	3	3		PR12 1103 A4 E C21RA03	NB03AC113
PR12	HANDLE	4	4		PR12 1104 A4 E C21RA03	NB04AC113
PR12	LEVER	1	1		PR12 1101 A4 E C21RB03	NB01AC123
PR12	LEVER	2	2		PR12 1102 A4 E C21RB03	NB02AC123
PR12	LEVER	3	3		PR12 1103 A4 E C21RB03	NB03AC123
PR12	LEVER	4	4		PR12 1104 A4 E C21RB03	NB04AC123
PR12	KEY	1	1	Key Removable in both positions	PR12 1101 A4 E C21RC00	NB01AC1C1
PR12	KEY	2	2		PR12 1102 A4 E C21RC00	NB02AC1C1
PR12	KEY	3	3		PR12 1103 A4 E C21RC00	NB03AC1C1
PR12	KEY	4	4		PR12 1104 A4 E C21RC00	NB04AC1C1
PR12	HANDLE/LEGEND	1	2		PR12 2251 D4 E N48MD50	NC51DX80
PR12	HANDLE/LEGEND	2	4		PR12 2252 D4 E N48MD50	NC52DX80
PR12	HANDLE/LEGEND	3	6		PR12 2253 D4 E N48MD50	NC53DX80
PR12	HANDLE/LEGEND	4	8		PR12 2254 D4 E N48MD50	NC54DX80
PR12	HANDLE	1	2		PR12 2251 D4 E C21RA03	NC51DC113
PR12	HANDLE	2	4		PR12 2252 D4 E C21RA03	NC52DC113
PR12	HANDLE	3	6		PR12 2253 D4 E C21RA03	NC53DC113
PR12	HANDLE	4	8		PR12 2254 D4 E C21RA03	NC54DC113
PR12	LEVER	1	2		PR12 2251 D4 E C21RB03	NC51DC123
PR12	LEVER	2	4		PR12 2252 D4 E C21RB03	NC52DC123
PR12	LEVER	3	6		PR12 2253 D4 E C21RB03	NC53DC123
PR12	LEVER	4	8		PR12 2254 D4 E C21RB03	NC54DC123

CAM SWITCHES

► Single Hole Mounting $\phi 22\text{mm}$

 Technical Info (p. 224)

GENERAL USE RATING 12A

IP40 standard - IP65 available upon request



HANDLE WITH LEGEND



HANDLE





LEVER



KEY

Mounting and Dimensions see pg 226 to 229

Switch Series	Operator	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	HANDLE/LEGEND	1	2		PR12 2201 C8 E N48MD50	NC01GX80
PR12	HANDLE/LEGEND	2	4		PR12 2202 C8 E N48MD50	NC02GX80
PR12	HANDLE/LEGEND	3	6		PR12 2203 C8 E N48MD50	NC03GX80
PR12	HANDLE/LEGEND	4	8		PR12 2204 C8 E N48MD50	NC04GX80
PR12	HANDLE	1	2		PR12 2201 C8 E C21RA03	NC01GC113
PR12	HANDLE	2	4		PR12 2202 C8 E C21RA03	NC02GC113
PR12	HANDLE	3	6		PR12 2203 C8 E C21RA03	NC03GC113
PR12	HANDLE	4	8		PR12 2204 C8 E C21RA03	NC04GC113
PR12	LEVER	1	2		PR12 2201 C8 E C21RB03	NC01GC123
PR12	LEVER	2	4		PR12 2202 C8 E C21RB03	NC02GC123
PR12	LEVER	3	6		PR12 2203 C8 E C21RB03	NC03GC123
PR12	LEVER	4	8		PR12 2204 C8 E C21RB03	NC04GC123
PR12	KEY	1	2	Key Removable in position '0' only	PR12 2201 C8 E C21RC00	NC01GC1C1
PR12	KEY	2	4		PR12 2202 C8 E C21RC00	NC02GC1C1
PR12	KEY	3	6		PR12 2203 C8 E C21RC00	NC03GC1C1
PR12	KEY	4	8		PR12 2204 C8 E C21RC00	NC04GC1C1
PR12	HANDLE/LEGEND	1	3		PR12 2301 A4 E N48MD50	ND01AX80
PR12	HANDLE/LEGEND	2	6		PR12 2302 A4 E N48MD50	ND02AX80
PR12	HANDLE/LEGEND	3	9		PR12 2303 A4 E N48MD50	ND03AX80
PR12	HANDLE/LEGEND	4	12		PR12 2304 A4 E N48MD50	ND04AX80
PR12	HANDLE	1	3		PR12 2301 A4 E C21RA03	ND01AC113
PR12	HANDLE	2	6		PR12 2302 A4 E C21RA03	ND02AC113
PR12	HANDLE	3	9		PR12 2303 A4 E C21RA03	ND03AC113
PR12	HANDLE	4	12		PR12 2304 A4 E C21RA03	ND04AC113
PR12	LEVER	1	3		PR12 2301 A4 E C21RB03	ND01AC123
PR12	LEVER	2	6		PR12 2302 A4 E C21RB03	ND02AC123
PR12	LEVER	3	9		PR12 2303 A4 E C21RB03	ND03AC123
PR12	LEVER	4	12		PR12 2304 A4 E C21RB03	ND04AC123
PR12	KEY	1	3	Key Removable in all positions	PR12 2301 A4 E C21RC00	ND01AC1C1
PR12	KEY	2	6		PR12 2302 A4 E C21RC00	ND02AC1C1
PR12	KEY	3	9		PR12 2303 A4 E C21RC00	ND03AC1C1
PR12	KEY	4	12		PR12 2304 A4 E C21RC00	ND04AC1C1

CAM SWITCHES

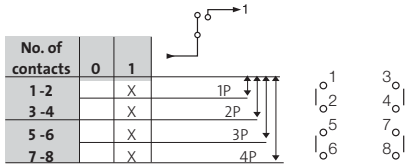
▶ ON/OFF SWITCHES

 Technical Info (p. 224)

PANEL MOUNTING - TWO FIXING SCREWS

IP40 standard - IP65 available upon request

Contact Configuration



NB02AQ1



SB04AQ1

























Mounting and Dimensions see pg 226 to 229



ZB04AQ7



HB03AQ7

Switch Series	General use rating - amps	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	12	1	1		PR12 1101 A4 E Q48PN50	NB01AQ1
PR12	12	2	2		PR12 1102 A4 E Q48PN50	NB02AQ1
PR12	12	3	3		PR12 1103 A4 E Q48PN50	NB03AQ1
PR12	12	4	4		PR12 1104 A4 E Q48PN50	NB04AQ1
PR17	16	1	1		PR17 1101 A4 E Q48PN50	SB01AQ1
PR17	16	2	2		PR17 1102 A4 E Q48PN50	SB02AQ1
PR17	16	3	3		PR17 1103 A4 E Q48PN50	SB03AQ1
PR17	16	4	4		PR17 1104 A4 E Q48PN50	SB04AQ1
PR21	20	1	1		PR21 1101 A4 E Q48PN50	TB01AQ1
PR21	20	2	2		PR21 1102 A4 E Q48PN50	TB02AQ1
PR21	20	3	3		PR21 1103 A4 E Q48PN50	TB03AQ1
PR21	20	4	4		PR21 1104 A4 E Q48PN50	TB04AQ1
PR26	25	1	1		PR26 1101 A4 E Q72MN50	ZB01AQ7
PR26	25	2	2		PR26 1102 A4 E Q72MN50	ZB02AQ7
PR26	25	3	3		PR26 1103 A4 E Q72MN50	ZB03AQ7
PR26	25	4	4		PR26 1104 A4 E Q72MN50	ZB04AQ7
PR40	50	1	1		PR40 1101 A4 E Q72MN60	HB01AQ7
PR40	50	2	2		PR40 1102 A4 E Q72MN60	HB02AQ7
PR40	50	3	3		PR40 1103 A4 E Q72MN60	HB03AQ7
PR40	50	4	4		PR40 1104 A4 E Q72MN60	HB04AQ7
PR63	63	1	1		PR63 1101 A4 E Q72MN60	IB01AQ7
PR63	63	2	2		PR63 1102 A4 E Q72MN60	IB02AQ7
PR63	63	3	3		PR63 1103 A4 E Q72MN60	IB03AQ7
PR63	63	4	4		PR63 1104 A4 E Q72MN60	IB04AQ7

CAM SWITCHES

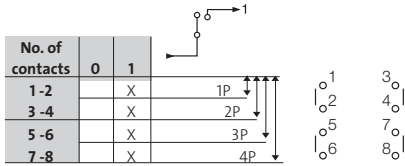
 Technical Info (p. 224)

▶ ON/OFF SWITCHES

IN ENCLOSURE

IP40 standard - IP65 available upon request

Contact Configuration



NB04AXQ



TB01AXQ









ZB02AXQ



IB02AAQ

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	12	1	1		PR12 1101 A4 BCQ3	NB01AXQ
PR12	12	2	2		PR12 1102 A4 BCQ3	NB02AXQ
PR12	12	3	3		PR12 1103 A4 BCQ3	NB03AXQ
PR12	12	4	4		PR12 1104 A4 BCQ3	NB04AXQ
PR17	16	1	1		PR17 1101 A4 BCQ3	SB01AXQ
PR17	16	2	2		PR17 1102 A4 BCQ3	SB02AXQ
PR17	16	3	3		PR17 1103 A4 BCQ3	SB03AXQ
PR17	16	4	4		PR17 1104 A4 BCQ3	SB04AXQ
PR21	20	1	1		PR21 1101 A4 BCQ3	TB01AXQ
PR21	20	2	2		PR21 1102 A4 BCQ3	TB02AXQ
PR21	20	3	3		PR21 1103 A4 BCQ3	TB03AXQ
PR21	20	4	4		PR21 1104 A4 BCQ3	TB04AXQ
PR26	25	1	1		PR26 1101 A4 BCQ3	ZB01AXQ
PR26	25	2	2		PR26 1102 A4 BCQ3	ZB02AXQ
PR26	25	3	3		PR26 1103 A4 BCQ3	ZB03AXQ
PR26	25	4	4		PR26 1104 A4 BCQ3	ZB04AXQ
PR40	50	1	1		PR40 1101 A4 BCF Q72MN60	HB01AAQ
PR40	50	2	2		PR40 1102 A4 BCF Q72MN60	HB02AAQ
PR40	50	3	3		PR40 1103 A4 BCF Q72MN60	HB03ABQ
PR40	50	4	4		PR40 1104 A4 BCF Q72MN60	HB04ABQ
PR63	63	1	1		PR63 1101 A4 BCF Q72MN60	IB01AAQ
PR63	63	2	2		PR63 1102 A4 BCF Q72MN60	IB02AAQ
PR63	63	3	3		PR63 1103 A4 BCF Q72MN60	IB03ABQ
PR63	63	4	4		PR63 1104 A4 BCF Q72MN60	IB04ABQ

CAM SWITCHES

▶ ON/OFF “MAIN SWITCHES”

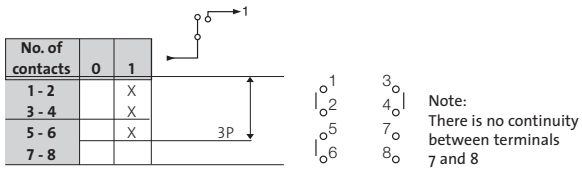


Technical Info (p. 224)

PANEL MOUNTING - TWO FIXING SCREWS

IP65 standard - IP40 available upon request

Contact Configuration - 1103GN

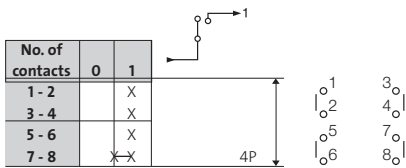


NS3EV493-IP65



TS3EV493-IP65

Contact Configuration - 1104GN



ZS3EV733-IP65



IS3EV733-IP65

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	12	3	3		PR12 1103 GN E J483PND51	NS3EV493-IP65
PR12	12	4	4		PR12 1104 GN E J483PND51	NS4EV493-IP65
PR17	16	3	3		PR17 1103 GN E J483PND51	SS3EV493-IP65
PR17	16	4	4		PR17 1104 GN E J483PND51	SS4EV493-IP65
PR21	20	3	3		PR21 1103 GN E J483PND51	TS3EV493-IP65
PR21	20	4	4		PR21 1104 GN E J483PND51	TS4EV493-IP65
PR26	25	3	3		PR26 1103 GN E J723MND51	ZS3EV733-IP65
PR26	25	4	4		PR26 1104 GN E J723MND51	ZS4EV733-IP65
PR40	50	3	3		PR40 1103 GN E J723MND61	HS3EV733-IP65
PR40	50	4	4		PR40 1104 GN E J723MND61	HS4EV733-IP65
PR63	63	3	3		PR63 1103 GN E J723MND61	IS3EV733-IP65
PR63	63	4	4		PR63 1104 GN E J723MND61	IS4EV733-IP65

CAM SWITCHES

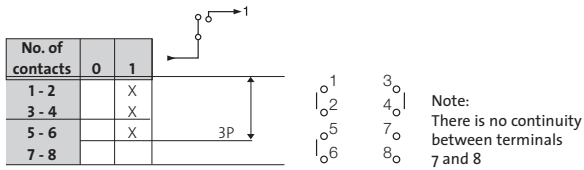
 Technical Info (p. 224)

► ON/OFF “MAIN SWITCHES”

IN ENCLOSURE

IP65 standard - IP40 available upon request

Contact Configuration - 1103GN

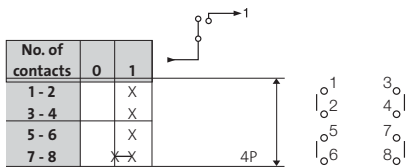


NS3XV483-IP65



SS3XV483-IP65

Contact Configuration - 1104GN















ZS3XV483-IP65



HS3BV733-IP65

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	12	3	3		PR12 1103 GN BC J48PND51	NS3XV483-IP65
PR12	12	4	4		PR12 1104 GN BC J48PND51	NS4XV483-IP65
PR17	16	3	3		PR17 1103 GN BC J48PND51	SS3XV483-IP65
PR17	16	4	4		PR17 1104 GN BC J48PND51	SS4XV483-IP65
PR21	20	3	3		PR21 1103 GN BC J48PND51	TS3XV483-IP65
PR21	20	4	4		PR21 1104 GN BC J48PND51	TS4XV483-IP65
PR26	25	3	3		PR26 1103 GN BC J48PND51	ZS3XV483-IP65
PR26	25	4	4		PR26 1104 GN BC J48PND51	ZS4XV483-IP65
PR40	50	3	3		PR40 1103 GN BCF J723MND61	HS3BV733-IP65
PR40	50	4	4		PR40 1104 GN BCF J723MND61	HS4BV733-IP65
PR63	63	3	3		PR63 1103 GN BCF J723MND61	IS3BV733-IP65
PR63	63	4	4		PR63 1104 GN BCF J723MND61	IS4BV733-IP65

CAM SWITCHES

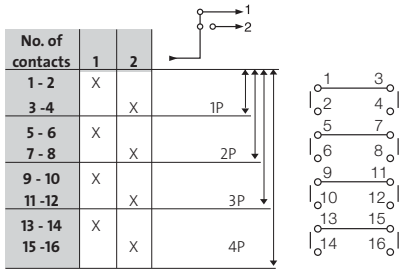
▶ CHANGEOVER SWITCHES - WITHOUT OFF

 Technical Info (p. 224)

PANEL MOUNTING - TWO FIXING SCREWS

IP40 standard - IP65 available upon request

Contact Configuration



NC53DQ1



TC51DQ1









ZC52DQ7



HC52DQ7

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	12	1	2		PR12 2251 D4 E Q48PN50	NC51DQ1
PR12	12	2	4		PR12 2252 D4 E Q48PN50	NC52DQ1
PR12	12	3	6		PR12 2253 D4 E Q48PN50	NC53DQ1
PR12	12	4	8		PR12 2254 D4 E Q48PN50	NC54DQ1
PR17	16	1	2		PR17 2251 D4 E Q48PN50	SC51DQ1
PR17	16	2	4		PR17 2252 D4 E Q48PN50	SC52DQ1
PR17	16	3	6		PR17 2253 D4 E Q48PN50	SC53DQ1
PR17	16	4	8		PR17 2254 D4 E Q48PN50	SC54DQ1
PR21	20	1	2		PR21 2251 D4 E Q48PN50	TC51DQ1
PR21	20	2	4		PR21 2252 D4 E Q48PN50	TC52DQ1
PR21	20	3	6		PR21 2253 D4 E Q48PN50	TC53DQ1
PR21	20	4	8		PR21 2254 D4 E Q48PN50	TC54DQ1
PR26	25	1	2		PR26 2251 D4 E Q72MN50	ZC51DQ7
PR26	25	2	4		PR26 2252 D4 E Q72MN50	ZC52DQ7
PR26	25	3	6		PR26 2253 D4 E Q72MN50	ZC53DQ7
PR26	25	4	8		PR26 2254 D4 E Q72MN50	ZC54DQ7
PR40	50	1	2		PR40 2251 D4 E Q72MN60	HC51DQ7
PR40	50	2	4		PR40 2252 D4 E Q72MN60	HC52DQ7
PR40	50	3	6		PR40 2253 D4 E Q72MN60	HC53DQ7
PR40	50	4	8		PR40 2254 D4 E Q72MN60	HC54DQ7
PR63	63	1	2		PR63 2251 D4 E Q72MN60	IC51DQ7
PR63	63	2	4		PR63 2252 D4 E Q72MN60	IC52DQ7
PR63	63	3	6		PR63 2253 D4 E Q72MN60	IC53DQ7
PR63	63	4	8		PR63 2254 D4 E Q72MN60	IC54DQ7

CAM SWITCHES

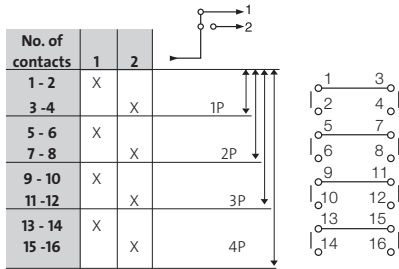
 Technical Info (p. 224)

▶ CHANGEOVER SWITCHES - WITHOUT OFF

IN ENCLOSURE

IP40 standard - IP65 available upon request

Contact Configuration



NC51DXQ



SC53DXQ









ZC52DXQ



IC52DBQ

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	12	1	2		PR12 2251 D4 BCQ3	NC51DXQ
PR12	12	2	4		PR12 2252 D4 BCQ3	NC52DXQ
PR12	12	3	6		PR12 2253 D4 BCQ3	NC53DXQ
PR12	12	4	8		PR12 2254 D4 BCQ3	NC54DXQ
PR17	16	1	2		PR17 2251 D4 BCQ3	SC51DXQ
PR17	16	2	4		PR17 2252 D4 BCQ3	SC52DXQ
PR17	16	3	6		PR17 2253 D4 BCQ3	SC53DXQ
PR17	16	4	8		PR17 2254 D4 BCQ3	SC54DXQ
PR21	20	1	2		PR21 2251 D4 BCQ3	TC51DXQ
PR21	20	2	4		PR21 2252 D4 BCQ3	TC52DXQ
PR21	20	3	6		PR21 2253 D4 BCQ3	TC53DXQ
PR21	20	4	8		PR21 2254 D4 BCQ3	TC54DXQ
PR26	25	1	2		PR26 2251 D4 BCQ3	ZC51DXQ
PR26	25	2	4		PR26 2252 D4 BCQ3	ZC52DXQ
PR26	25	3	6		PR26 2253 D4 BCQ3	ZC53DXQ
PR26	25	4	8		PR26 2254 D4 BCQ3	ZC54DXQ
PR40	50	1	2		PR40 2251 D4 BCF Q72MN60	HC51DAQ
PR40	50	2	4		PR40 2252 D4 BCF Q72MN60	HC52DBQ
PR40	50	3	6		PR40 2253 D4 BCF Q72MN60	HC53DCQ
PR40	50	4	8		PR40 2254 D4 BCF Q72MN60	HC54DDQ
PR63	63	1	2		PR63 2251 D4 BCF Q72MN60	IC51DAQ
PR63	63	2	4		PR63 2252 D4 BCF Q72MN60	IC52DBQ
PR63	63	3	6		PR63 2253 D4 BCF Q72MN60	IC53DCQ
PR63	63	4	8		PR63 2254 D4 BCF Q72MN60	IC54DDQ

CAM SWITCHES

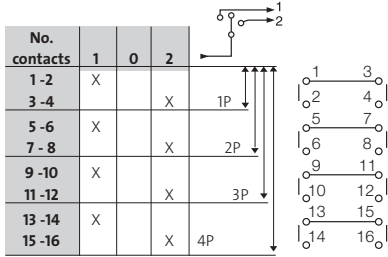
▶ CHANGEOVER SWITCHES - WITH OFF

 Technical Info (p. 224)

PANEL MOUNTING - TWO FIXING SCREWS

IP40 standard - IP65 available upon request

Contact Configuration



NC02GQ1



SC04GQ1









ZC02GQ7



HC03GQ7

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	12	1	2		PR12 2201 C8 E Q48PN50	NC01GQ1
PR12	12	2	4		PR12 2202 C8 E Q48PN50	NC02GQ1
PR12	12	3	6		PR12 2203 C8 E Q48PN50	NC03GQ1
PR12	12	4	8		PR12 2204 C8 E Q48PN50	NC04GQ1
PR17	16	1	2		PR17 2201 C8 E Q48PN50	SC01GQ1
PR17	16	2	4		PR17 2202 C8 E Q48PN50	SC02GQ1
PR17	16	3	6		PR17 2203 C8 E Q48PN50	SC03GQ1
PR17	16	4	8		PR17 2204 C8 E Q48PN50	SC04GQ1
PR21	20	1	2		PR21 2201 C8 E Q48PN50	TC01GQ1
PR21	20	2	4		PR21 2202 C8 E Q48PN50	TC02GQ1
PR21	20	3	6		PR21 2203 C8 E Q48PN50	TC03GQ1
PR21	20	4	8		PR21 2204 C8 E Q48PN50	TC04GQ1
PR26	25	1	2		PR26 2201 C8 E Q72MN50	ZC01GQ7
PR26	25	2	4		PR26 2202 C8 E Q72MN50	ZC02GQ7
PR26	25	3	6		PR26 2203 C8 E Q72MN50	ZC03GQ7
PR26	25	4	8		PR26 2204 C8 E Q72MN50	ZC04GQ7
PR40	50	1	2		PR40 2201 C8 E Q72MN60	HC01GQ7
PR40	50	2	4		PR40 2202 C8 E Q72MN60	HC02GQ7
PR40	50	3	6		PR40 2203 C8 E Q72MN60	HC03GQ7
PR40	50	4	8		PR40 2204 C8 E Q72MN60	HC04GQ7
PR63	63	1	2		PR63 2201 C8 E Q72MN60	IC01GQ7
PR63	63	2	4		PR63 2202 C8 E Q72MN60	IC02GQ7
PR63	63	3	6		PR63 2203 C8 E Q72MN60	IC03GQ7
PR63	63	4	8		PR63 2204 C8 E Q72MN60	IC04GQ7

CAM SWITCHES

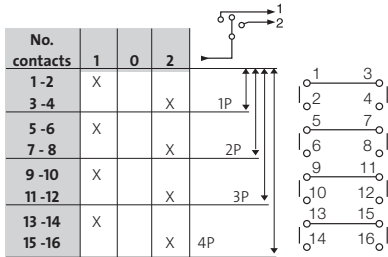
▶ CHANGEOVER SWITCHES - WITH OFF

 Technical Info (p. 224)

IN ENCLOSURE

IP40 standard - IP65 available upon request

Contact Configuration



NC02GXQ



TC03GXQ



























ZC04GXQ



IC02GBQ

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	12	1	2		PR12 2201 C8 BCQ3	NC01GXQ
PR12	12	2	4		PR12 2202 C8 BCQ3	NC02GXQ
PR12	12	3	6		PR12 2203 C8 BCQ3	NC03GXQ
PR12	12	4	8		PR12 2204 C8 BCQ3	NC04GXQ
PR17	16	1	2		PR17 2201 C8 BCQ3	SC01GXQ
PR17	16	2	4		PR17 2202 C8 BCQ3	SC02GXQ
PR17	16	3	6		PR17 2203 C8 BCQ3	SC03GXQ
PR17	16	4	8		PR17 2204 C8 BCQ3	SC04GXQ
PR21	20	1	2		PR21 2201 C8 BCQ3	TC01GXQ
PR21	20	2	4		PR21 2202 C8 BCQ3	TC02GXQ
PR21	20	3	6		PR21 2203 C8 BCQ3	TC03GXQ
PR21	20	4	8		PR21 2204 C8 BCQ3	TC04GXQ
PR26	25	1	2		PR26 2201 C8 BCQ3	ZC01GXQ
PR26	25	2	4		PR26 2202 C8 BCQ3	ZC02GXQ
PR26	25	3	6		PR26 2203 C8 BCQ3	ZC03GXQ
PR26	25	4	8		PR26 2204 C8 BCQ3	ZC04GXQ
PR40	50	1	2		PR40 2201 C8 BCF Q72MN60	HC01GAQ
PR40	50	2	4		PR40 2202 C8 BCF Q72MN60	HC02GBQ
PR40	50	3	6		PR40 2203 C8 BCF Q72MN60	HC03GCQ
PR40	50	4	8		PR40 2204 C8 BCF Q72MN60	HC04GDQ
PR63	63	1	2		PR63 2201 C8 BCF Q72MN60	IC01GAQ
PR63	63	2	4		PR63 2202 C8 BCF Q72MN60	IC02GBQ
PR63	63	3	6		PR63 2203 C8 BCF Q72MN60	IC03GCQ
PR63	63	4	8		PR63 2204 C8 BCF Q72MN60	IC04GDQ

CAM SWITCHES

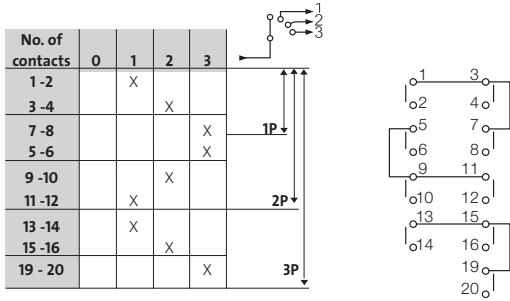
▶ THREE WAY SWITCHES - WITH OFF

 Technical Info (p. 224)

PANEL MOUNTING - TWO FIXING SCREWS

IP40 standard - IP65 available upon request

Contact Configuration



ND03AQ1



SD03AQ1











ZD02AQ7



HD02AQ7

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	12	1	3		PR12 2301 A4 E Q48PN50	ND01AQ1
PR12	12	2	6		PR12 2302 A4 E Q48PN50	ND02AQ1
PR12	12	3	9		PR12 2303 A4 E Q48PN50	ND03AQ1
PR17	16	1	3		PR17 2301 A4 E Q48PN50	SD01AQ1
PR17	16	2	6		PR17 2302 A4 E Q48PN50	SD02AQ1
PR17	16	3	9		PR17 2303 A4 E Q48PN50	SD03AQ1
PR21	20	1	3		PR21 2301 A4 E Q48PN50	TD01AQ1
PR21	20	2	6		PR21 2302 A4 E Q48PN50	TD02AQ1
PR21	20	3	9		PR21 2303 A4 E Q48PN50	TD03AQ1
PR26	25	1	3		PR26 2301 A4 E Q72MN50	ZD01AQ7
PR26	25	2	6		PR26 2302 A4 E Q72MN50	ZD02AQ7
PR26	25	3	9		PR26 2303 A4 E Q72MN50	ZD03AQ7
PR40	50	1	3		PR40 2301 A4 E Q72MN60	HD01AQ7
PR40	50	2	6		PR40 2302 A4 E Q72MN60	HD02AQ7
PR40	50	3	9		PR40 2303 A4 E Q72MN60	HD03AQ7
PR63	63	1	3		PR63 2301 A4 E Q72MN60	ID01AQ7
PR63	63	2	6		PR63 2302 A4 E Q72MN60	ID02AQ7
PR63	63	3	9		PR63 2303 A4 E Q72MN60	ID03AQ7

CAM SWITCHES

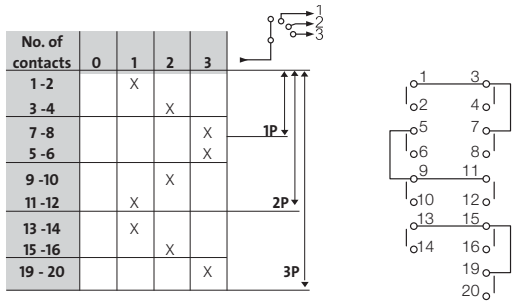
▶ THREE WAY SWITCHES - WITH OFF

 Technical Info (p. 224)

IN ENCLOSURE

IP40 standard - IP65 available upon request

Contact Configuration



Mounting and Dimensions see pg 226 to 229



ND02AXQ


















TD01AXQ



ZD01AXQ



HD01ABQ

Switch Series	General use rating - amps	Number of poles	Number of contacts	Positions	Designation	Part Number
PR12	12	1	3		PR12 2301 A4 BCQ3	ND01AXQ
PR12	12	2	6		PR12 2302 A4 BCQ3	ND02AXQ
PR12	12	3	9		PR12 2303 A4 BCQ3	ND03AXQ
PR17	16	1	3		PR17 2301 A4 BCQ3	SD01AXQ
PR17	16	2	6		PR17 2302 A4 BCQ3	SD02AXQ
PR17	16	3	9		PR17 2303 A4 BCQ3	SD03AXQ
PR21	20	1	3		PR21 2301 A4 BCQ3	TD01AXQ
PR21	20	2	6		PR21 2302 A4 BCQ3	TD02AXQ
PR21	20	3	9		PR21 2303 A4 BCQ3	TD03AXQ
PR26	25	1	3		PR26 2301 A4 BCQ3	ZD01AXQ
PR26	25	2	6		PR26 2302 A4 BCQ3	ZD02AXQ
PR40	50	1	3		PR40 2301 A4 BCF Q72MN60	HD01ABQ
PR40	50	2	6		PR40 2302 A4 BCF Q72MN60	HD02ACQ
PR63	63	1	3		PR63 2301 A4 BCF Q72MN60	ID01ABQ
PR63	63	2	6		PR63 2302 A4 BCF Q72MN60	ID02ACQ

CAM SWITCHES

▶ 3 PHASE MOTOR SWITCH, FORWARD/OFF/REVERSE

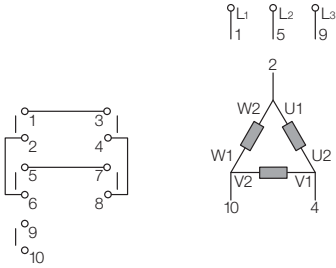
 Technical Info (p. 224)

PANEL MOUNTING - TWO FIXING SCREWS

IP40 standard - IP65 available upon request

Contact Configuration - 9151

No. of contacts	REV	0	FWD
1-2	X		
3-4			X
5-6			X
7-8	X		
9-10	X		X



NZ11GQ1



TZ11GQ1









ZZ11GQ7



IZ11GQ7

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of contacts	Positions	Designation	Part Number
PR12	12	5		PR12 9151 C8 E Q48PN50	NZ11GQ1
PR17	16	5		PR17 9151 C8 E Q48PN50	SZ11GQ1
PR21	20	5		PR21 9151 C8 E Q48PN50	TZ11GQ1
PR26	25	5		PR26 9151 C8 E Q72MN50	ZZ11GQ7
PR40	50	5		PR40 9151 C8 E Q72MN60	HZ11GQ7
PR63	63	5		PR63 9151 C8 E Q72MN60	IZ11GQ7

CAM SWITCHES

▶ 3 PHASE MOTOR SWITCH, FORWARD/OFF/REVERSE

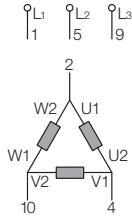
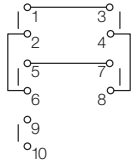
 Technical Info (p. 224)

IN ENCLOSURE

IP40 standard - IP65 available upon request

Contact Configuration - 9151

No. of contacts	REV	0	FWD
1-2	X		
3-4			X
5-6			X
7-8	X		
9-10	X		X



NZ11GXQ



SZ11GXQ









ZZ11GXQ



HZ11GCQ

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of contacts	Positions	Designation	Part Number
PR12	12	5		PR12 9151 C8 BCQ3	NZ11GXQ
PR17	16	5		PR17 9151 C8 BCQ3	SZ11GXQ
PR21	20	5		PR21 9151 C8 BCQ3	TZ11GXQ
PR26	25	5		PR26 9151 C8 BCQ3	ZZ11GXQ
PR40	50	5		PR40 9151 C8 BCF Q72MN60	HZ11GCQ
PR63	63	5		PR63 9151 C8 BCF Q72MN60	IZ11GCQ

CAM SWITCHES

▶ 1 SPEED STARTER, FORWARD/OFF/REVERSE - 3 PHASE MOTOR

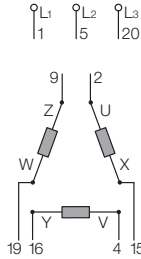
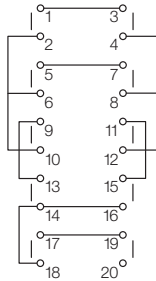
 Technical Info (p. 224)

IN ENCLOSURE

IP40 standard - IP65 available upon request

Contact Configuration - 9153

No. of contacts	REV			FWD	
	Δ	Y	0	Y	Δ
1 - 2				X	X
3 - 4	X	X			
5 - 6	X	X			
7 - 8				X	X
9 - 10	X				X
11 - 12	X				X
13 - 14		X		X	
15 - 16		X		X	
17 - 18	X				X
19 - 20	X	X		X	X



NZ13GXQ






SZ13GXQ



TZ13GXQ

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of contacts	Positions	Designation	Part Number
PR12	12	10		PR12 9153 C8 BCQ3	NZ13GXQ
PR17	16	10		PR17 9153 C8 BCQ3	SZ13GXQ
PR21	20	10		PR21 9153 C8 BCQ3	TZ13GXQ

CAM SWITCHES

► 1 SPEED STARTER, 1WAY - 3 PHASE MOTOR

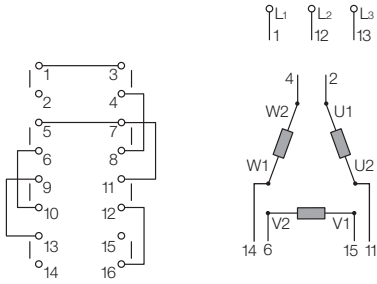
 Technical Info (p. 224)

PANEL MOUNTING - TWO FIXING SCREWS

IP40 standard - IP65 available upon request

Contact Configuration - 9551

No. of contacts	0	Y	Δ
1 - 2		X	X
3 - 4			X
5 - 6	X	X	
7 - 8	X	X	
9 - 10			X
11 - 12			X
13 - 14		X	X
15 - 16		X	X



NZ51BQ1



TZ51BQ1









ZZ51BQ7



HZ51BQ7

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of contacts	Positions	Designation	Part Number
PR12	12	8		PR12 9551 B4 E Q48PN50	NZ51BQ1
PR17	16	8		PR17 9551 B4 E Q48PN50	SZ51BQ1
PR21	20	8		PR21 9551 B4 E Q48PN50	TZ51BQ1
PR26	25	8		PR26 9551 B4 E Q72MN50	ZZ51BQ7
PR40	50	8		PR40 9551 B4 E Q72MN60	HZ51BQ7
PR63	63	8		PR63 9551 B4 E Q72MN60	IZ51BQ7

CAM SWITCHES

▶ 1 SPEED STARTER, 1WAY - 3 PHASE MOTOR

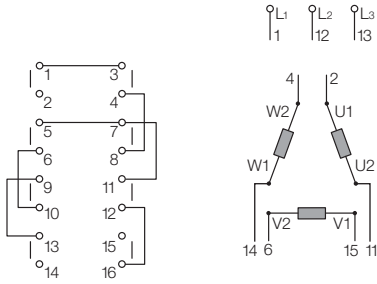
 Technical Info (p. 224)

IN ENCLOSURE

IP40 standard - IP65 available upon request

Contact Configuration - 9551

No. of contacts	0	Y	Δ
1 - 2		X	X
3 - 4			X
5 - 6	X	X	
7 - 8	X	X	
9 - 10			X
11 - 12			X
13 - 14	X	X	
15 - 16	X	X	



NZ51BXQ



SZ51BXQ









ZZ51BXQ



HZ51BDQ

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Number of contacts	Positions	Designation	Part Number
PR12	12	8		PR12 9551 B4 BCQ3	NZ51BXQ
PR17	16	8		PR17 9551 B4 BCQ3	SZ51BXQ
PR21	20	8		PR21 9551 B4 BCQ3	TZ51BXQ
PR26	25	8		PR26 9551 B4 BCQ3	ZZ51BXQ
PR40	50	8		PR40 9551 B4 BCF Q72MN60	HZ51BDQ
PR63	63	8		PR63 9551 B4 BCF Q72MN60	IZ51BDQ

CAM SWITCHES

▶ 2 SPEEDS, 1 WAY - 3 PHASE DALHANDER MOTOR

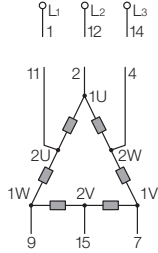
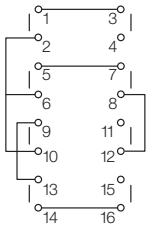
 Technical Info (p. 224)

PANEL MOUNTING - TWO FIXING SCREWS

IP40 standard - IP65 available upon request

Contact Configuration - 9552

No. of contacts	LS	0	HS
1-2	X		
3-4			X
5-6			X
7-8	X		
9-10			X
11-12			X
13-14	X		
15-16			X



NZ52CQ1



SZ52BQ1





ZZ52BQ7



HZ52BQ7

Mounting and Dimensions see pg 226 to 229

No. of contacts	0	LS	HS
1-2		X	
3-4			X
5-6			X
7-8		X	
9-10			X
11-12			X
13-14		X	
15-16			X

Switch Series	General use rating - amps	Number of contacts	Positions	Designation	Part Number
PR12	12	8		PR12 9552 B4 E Q48PN50	NZ52BQ1
PR17	16	8		PR17 9552 B4 E Q48PN50	SZ52BQ1
PR21	20	8		PR21 9552 B4 E Q48PN50	TZ52BQ1
PR26	25	8		PR26 9552 B4 E Q72MN50	ZZ52BQ7
PR40	50	8		PR40 9552 B4 E Q72MN60	HZ52BQ7
PR63	63	8		PR63 9552 B4 E Q72MN60	IZ52BQ7
PR12	12	8		PR12 9552 C4 E Q48PN50	NZ52CQ1
PR17	16	8		PR17 9552 C4 E Q48PN50	SZ52CQ1
PR21	20	8		PR21 9552 C4 E Q48PN50	TZ52CQ1
PR26	25	8		PR26 9552 C4 E Q72MN50	ZZ52CQ7
PR40	50	8		PR40 9552 C4 E Q72MN60	HZ52CQ7
PR63	63	8		PR63 9552 C4 E Q72MN60	IZ52CQ7

CAM SWITCHES

► 2 SPEEDS, 1 WAY - 3 PHASE DALHANDER MOTOR

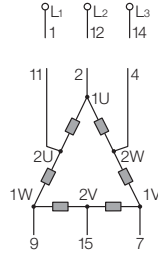
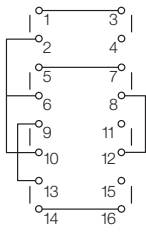
 Technical Info (p. 224)

IN ENCLOSURE

IP40 standard - IP65 available upon request

Contact Configuration - 9552

No. of contacts	LS	0	HS
1-2	X		
3-4			X
5-6			X
7-8	X		
9-10			X
11-12			X
13-14	X		
15-16			X



NZ52CXQ



TZ52BXQ



ZZ52BXQ



HZ52BDQ

Mounting and Dimensions see pg 226 to 229

No. of contacts	0	LS	HS
1-2		X	
3-4			X
5-6			X
7-8		X	
9-10			X
11-12			X
13-14		X	
15-16			X

Switch Series	General use rating - amps	Number of contacts	Positions	Designation	Part Number
PR12	12	8		PR12 9552 B4 BCQ3	NZ52BXQ
PR17	16	8		PR17 9552 B4 BCQ3	SZ52BXQ
PR21	20	8		PR21 9552 B4 BCQ3	TZ52BXQ
PR26	25	8		PR26 9552 B4 BCQ3	ZZ52BXQ
PR40	50	8		PR40 9552 B4 BCF Q72MN60	HZ52BDQ
PR63	63	8		PR63 9552 B4 BCF Q72MN60	IZ52BDQ
PR12	12	8		PR12 9552 C4 BCQ3	NZ52CXQ
PR17	16	8		PR17 9552 C4 BCQ3	SZ52CXQ
PR21	20	8		PR21 9552 C4 BCQ3	TZ52CXQ
PR26	25	8		PR26 9552 C4 BCQ3	ZZ52CXQ
PR40	50	8		PR40 9552 C4 BCF Q72MN60	HZ52CDQ
PR63	63	8		PR63 9552 C4 BCF Q72MN60	IZ52CDQ

CAM SWITCHES

▶ AMMETER SWITCHES

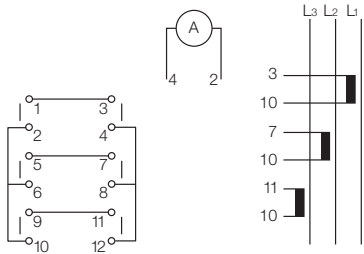
 Technical Info (p. 224)

3 CURRENT TRANSFORMERS WITH COMMON POINT

IP40 standard - IP65 available upon request

Contact Configuration - 8151

No. OF CONTACTS	0	L1	L2	L3
1 - 2	X	X		
3 - 4	X	X		
5 - 6		X	X	
7 - 8		X	X	
9 - 10	X		X	X
11 - 12			X	X





NY11AQ1



NY11AX80

Mounting and Dimensions see pg 226 to 229

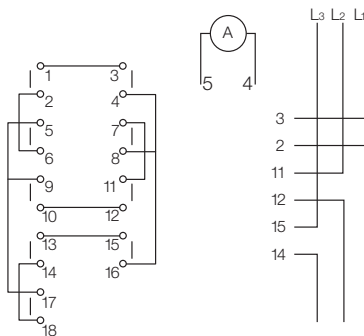
Switch Series	General use rating - amps	Mounting	Number of contacts	Positions	Designation	Part Number
PR12	12	TWO FIXING SCREWS	6		PR12 8151 A4 E Q48PN50	NY11AQ1
PR12	12	Ø22MM SINGLE HOLE	6		PR12 8151 A4 E N48MD50	NY11AX80

WITHOUT CURRENT TRANSFORMER

IP40 standard - IP65 available upon request

Contact Configuration - 8164

No. of contacts	0	L1	L2	L3
1 - 2	X	X		
3 - 4	X	X		
5 - 6		X	X	
7 - 8		X	X	
9 - 10	X		X	X
11 - 12			X	X
13 - 14	X		X	X
15 - 16			X	X
17 - 18			X	X





NY14AQ1



NY14AX80

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Mounting	Number of contacts	Positions	Designation	Part Number
PR12	12	TWO FIXING SCREWS	9		PR12 8164 A4 E Q48PN50	NY14AQ1
PR12	12	Ø22MM SINGLE HOLE	9		PR12 8164 A4 E N48MD50	NY14AX80

CAM SWITCHES

▶ AMMETER SWITCHES

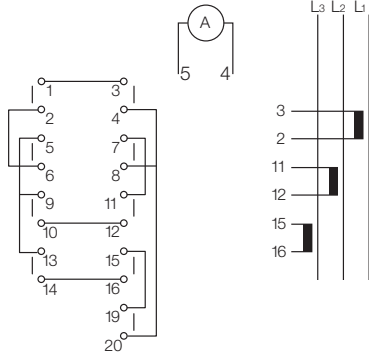
 Technical Info (p. 224)

WITHOUT COMMON POINT

IP40 standard - IP65 available upon request

Contact Configuration - 8157

No. of CONTACTS	0	L1	L2	L3
1 - 2		X	X	
3 - 4	X	X		
5 - 6	X	X		
7 - 8		X	X	
9 - 10		X	X	
11 - 12		X	X	
13 - 14			X	X
15 - 16	X		X	
19 - 20			X	X





NY17AQ1



NY17AX80

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Mounting	Number of contacts	Positions	Designation	Part Number
PR12	12	Two FIXING SCREWS	9		PR12 8157 A4 E Q48PN50	NY17AQ1
PR12	12	Ø22MM SINGLE HOLE	9		PR12 8157 A4 E N48MD50	NY17AX80

CAM SWITCHES

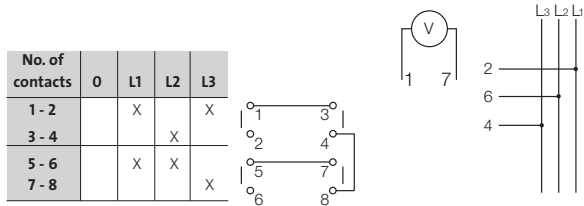
VOLTMETER SWITCHES

 Technical Info (p. 224)

WITHOUT NEUTRAL

IP40 standard - IP65 available upon request

Contact Configuration - 8351




NY31AQ1



NY31AX80

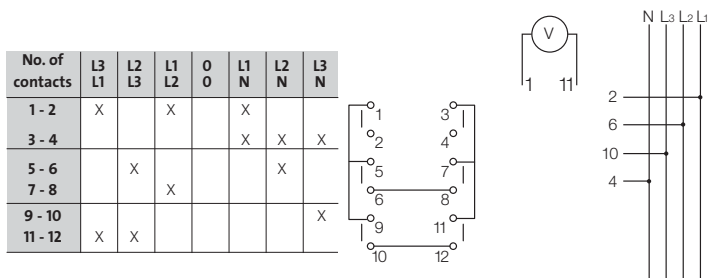
Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Mounting	Number of contacts	Positions	Designation	Part Number
PR12	12	TWO FIXING SCREWS	4		PR12 8351 A4 E Q48PN50	NY31AQ1
PR12	12	Ø22MM SINGLE HOLE	4		PR12 8351 A4 E N48MD50	NY31AX80

WITH NEUTRAL

IP40 standard - IP65 available upon request

Contact Configuration - 8357



NY37GQ1




NY37GX80



NDF03

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Mounting	Number of contacts	Positions	Designation	Part Number
PR12	12	TWO FIXING SCREWS	6		PR12 8357 C8 E Q48PN50	NY37GQ1
PR12	12	Ø22MM SINGLE HOLE	6		PR12 8357 C8 E N48MD50	NY37GX80
PR12	12	DIN-RAIL	6		PR12 8357 C8 E DF	NDF03

CAM SWITCHES

▶ BINARY CODE SWITCHES

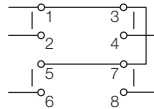
 Technical Info (p. 224)

0 TO 11

IP40 standard - IP65 available upon request


Contact Configuration - 6501

No. of contacts	Positions											
	0	1	2	3	4	5	6	7	8	9	10	11
1 - 2		X		X		X		X		X		X
3 - 4			X	X			X	X			X	X
5 - 6					X			X				
7 - 8									X			X



NR51UQ1

Mounting and Dimensions see pg 226 to 229

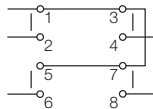
Switch Series	General use rating - amps	Mounting	Number of contacts	Positions	Designation	Part Number
PR12	12	Two FIXING SCREWS	4		PR12 6501 A1 E Q48PN50	NR51UQ1

1 TO 12

IP40 standard - IP65 available upon request


Contact Configuration - 6501

No. of contacts	Positions											
	1	2	3	4	5	6	7	8	9	10	11	12
1 - 2	X		X		X		X		X		X	
3 - 4		X	X			X	X			X	X	
5 - 6				X			X					
7 - 8								X				X



NR52UQ1

Mounting and Dimensions see pg 226 to 229

Switch Series	General use rating - amps	Mounting	Number of contacts	Positions	Designation	Part Number
PR12	12	Two FIXING SCREWS	4		PR12 6502 A1 E Q48PN50	NR52UQ1

CAM SWITCHES

► Technical Specifications

UL/CSA Characteristics	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
► UL/CSA								
1 PHASE 110/120 VAC	0.5 HP	1 HP	1.5 HP	2 HP	3 HP	5 HP	N/A	N/A
3 PHASE 110/120 VAC 220/240 VAC 440/480 VAC 550/600 VAC	1 HP	2 HP	3 HP	3 HP	7.5 HP	10 HP	N/A	N/A
	3 HP	5 HP	5 HP	7.5 HP	15 HP	20 HP	N/A	N/A
	5 HP	7.5 HP	10 HP	15 HP	30 HP	40 HP	N/A	N/A
	3 HP	10 HP	15 HP	20 HP	30 HP	40 HP	N/A	N/A
GENERAL USE (600 V) (MOTOR CONTROLLER)	12 A	16A	20 A	25 A	50 A	63 A	N/A	N/A
UL 508 RECOGNIZED	YES	YES	YES	YES	YES	YES	No	No
CSA CERTIFIED	YES	YES	YES	YES	YES	YES	No	No
IEC Characteristics								
► For thermal current AC-20 Ith I_c(A) (IEC 60 947-3)	20	25	32	40	63	80	200	250
► Rated operating current for AC-21 A I_e(A) (IEC 60 947-3)								
Switching of resistive loads including moderate overloads	16	20	25	32	50	80	160	200
► Rated operating current for AC-15 A I_e(A) at 230V AC (IEC 60 947-3)								
Control of electromagnetic loads	6	8	10	12	-	-	-	-
► Performance in AC 23 (kW) (IEC 60 947-3)								
Switching of motors or other highly inductive loads								
- 3 x 230 V	4	5.5	7.5	11	15	18.5	-	-
- 3 x 400 V	7.5	11	11	11	22	25	-	-
- 3 x 500 V	5.5	11	11	11	25	25	-	-
- 3 x 690 V	4	10	10	11	18.5	22	-	-
► Performance in AC 3 (IEC 60 947-3)								
Control of squirrel-cage motors starting and switching off motors while running								
- In kW								
- 3 x 230 V	3	4	4	5.5	11	15	-	-
- 3 x 400 V	4	7.5	7.5	11	18.5	22	-	-
- 3 x 500 V	5.5	7.5	7.5	11	18.5	22	-	-
- 3 x 690 V	3	7.5	7.5	11	18.5	22	-	-

CAM SWITCHES

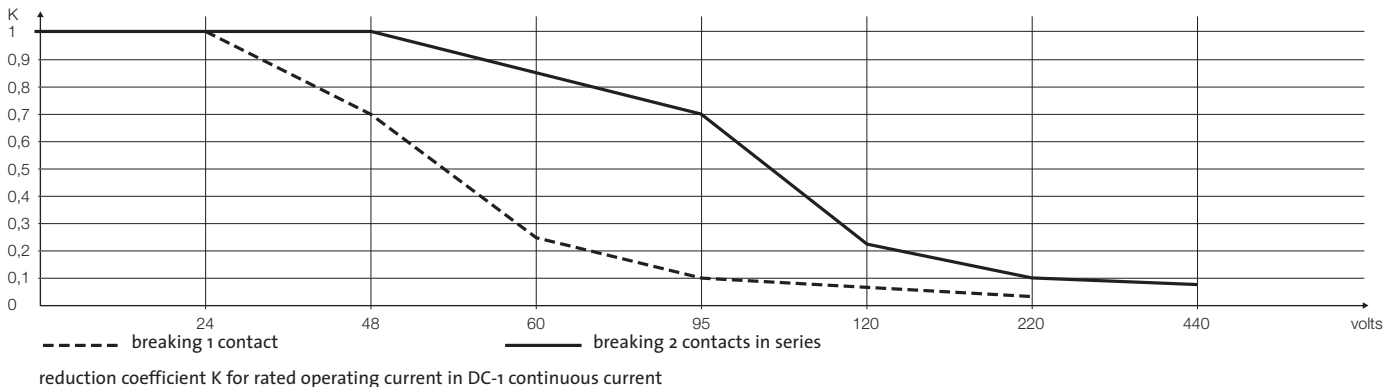
► Technical Specifications

IEC Characteristics	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
► Performance in AC 3 - cont.								
- In HP (for reference)								
- 3 x 230 V	4	5.5	5.5	7.5	15	20	-	-
- 3 x 400 V	5.5	10	10	15	25	30	-	-
- 3 x 500 V	7.5	10	10	15	25	30	-	-
- 3 x 690 V	4	10	10	15	25	30	-	-
► Rated insulation voltage U_i (V)								
- Max. rated voltage $U_e(v)$ IEC	690	690	690	690	690	690	690	690
- CSA (Canada)	600	600	600	600	600	600	600	600
- UL (USA)	600	600	600	600	600	600	600	600
► Rated short time withstand current I_{cw} (A) for 1 sec								
	300	400	420	800	1000	1000	2000	2400
► Maximum wire size (mm²)								
- rigid	4	6/4 ⁽¹⁾	6/4 ⁽¹⁾	6	16	16	ø 8 screw for eyelet	
- flexible	2.5	4	4	6	16	16	ø 8 screw for eyelet	
► Maximum wire size (AWG)								
- rigid	10	8/10 ⁽¹⁾	8/10 ⁽¹⁾	8	6	6		
- flexible	14	12	12	8	6	6		
(1): These values correspond to terminals with jumpers								
► Mechanical durability 1,250,000 operations, maximum rate 150 operations per hour								
► Operating temperature limits - 20°C to + 70°C - 4°F to + 158°F (beyond these limits consult us)								

► Rated operating current in DC-1 low inductive loads (< 1 ms)

	PR 12	PR 17	PR 21	PR 26	PR 40	PR 63	PR 125	PR 160
Rated operating current I_e (A) 24 V DC	16	20	25	32	50	80	-	-

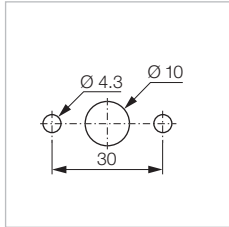
I_e (A): rated current for breaking 1 contact. For higher voltages you must use a reduction coefficient K in the following graph



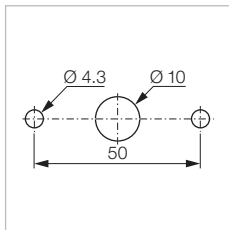
CAM SWITCHES

► Mounting

2 SCREWS - 30 OR 50 MM INTERVAL

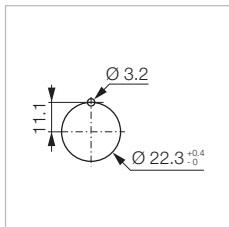


PR 12
PR 17
PR 21
PR 26



PR 40
PR 63

SINGLE HOLE MOUNTING Ø 22



For PR12 only

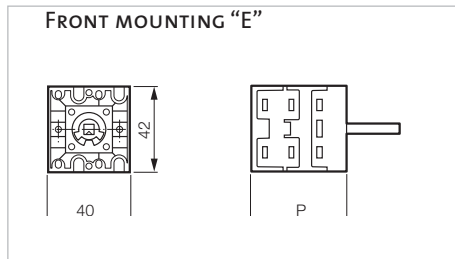
□ 48 legend plate with handle
HANDLE
LEVER
KEY



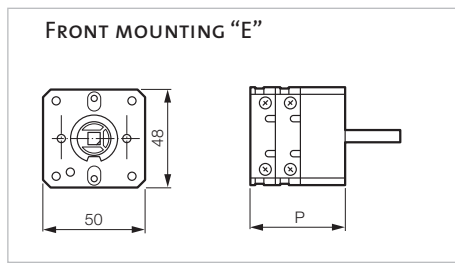
CAM SWITCHES

► Dimensions

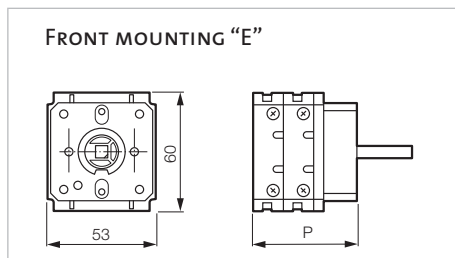
2 SCREW FRONT MOUNTING (E)



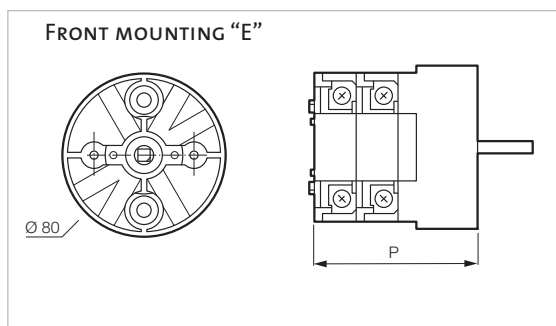
PR 12	No. of contacts	P*
	1-2	36
	3-4	46
	5-6	56
	7-8	66
	9-10	76
	11-12	86



PR 17/21	No. of contacts	P*
	1-2	33
	3-4	45
	5-6	57
	7-8	69
	9-10	81
	11-12	93



PR 26	No. of contacts	P*
	1-2	36
	3-4	51
	5-6	66
	7-8	81
	9-10	96
	11-12	111



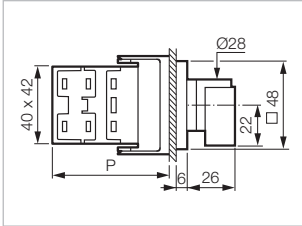
PR 40/63	No. of contacts	P*
	1-2	60
	3-4	80
	5-6	100
	7-8	120
	9-10	140
	11-12	160

CAM SWITCHES

► Dimensions

SINGLE HOLE MOUNTING Ø 22

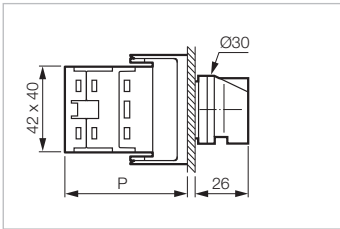
FRONT MOUNTING "E N48MD50"



**WITH HANDLE AND
LEGEND PLATE**

No. of contacts	P*
1-2	51
3-4	61
5-6	71
7-8	81
9-10	91
11-12	101

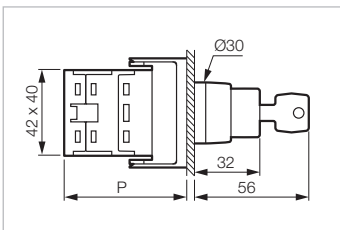
FRONT MOUNTING "E C21RA03"



**WITH HANDLE
OR LEVER**

No. of contacts	P*
1-2	51
3-4	61
5-6	71
7-8	81
9-10	91
11-12	101

FRONT MOUNTING "E C21RC00"



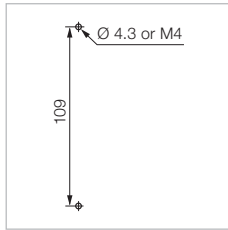
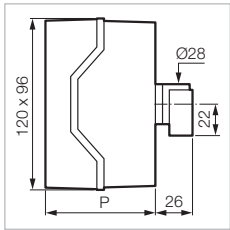
WITH KEY

No. of contacts	P*
1-2	51
3-4	61
5-6	71
7-8	81
9-10	91
11-12	101

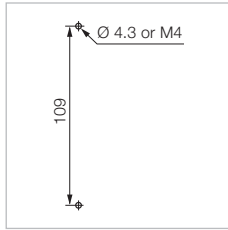
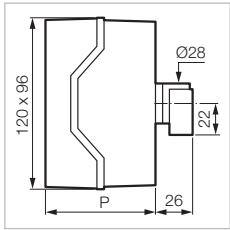
CAM SWITCHES

► Dimensions

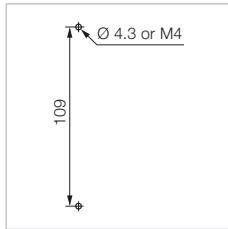
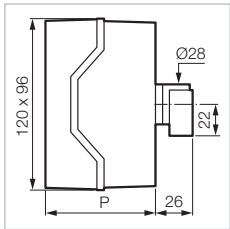
ENCLOSURES



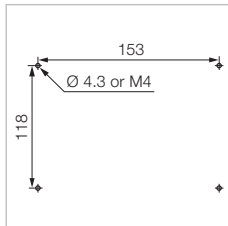
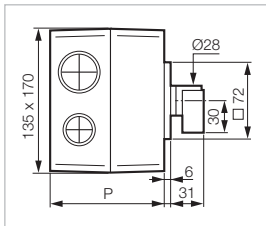
PR 12	No. of contacts	P*
	1-6	77
	7-10	101



PR 17/21	No. of contacts	P*
	1-6	77
	7-10	101



PR 26	No. of contacts	P*
	1-4	77
	5-8	101



PR 40/63	No. of contacts	P*
	1-4	107
	5-8	145

CAM SWITCHES - CUSTOM REQUEST FORM

▶ APPLICATION

- Load switching
 - resistive inductive

Rated voltage AC/DC

Rated current A

- Control of motors
 - Starting/Switching off a running motor
- Reverse direction of rotation
- Motor rating A/CV/kW/HP

▶ DIAGRAM

(Fill in the grid below using the appropriate symbols)

- Closed contact
- Closed contact, 2 positions without cut-off
- Overlapping: second contact closes before first contact opens (not possible with 30° switching angle)
- Impulse contact, closes momentarily when switching from one position to next
- Spring return

Contact Nos.	Position No.												Terminals connection + links	
	1	2	3	4	5	6	7	8	9	10	11	12		
1-2													0 1	3 0
3-4													0 2	4 0
5-6													0 5	7 0
7-8													0 6	8 0
9-10													0 9	11 0
11-12													0 10	12 0
13-14													0 13	15 0
15-16													0 14	16 0
17-18													0 17	19 0
19-20													0 18	20 0
21-22													0 21	23 0
23-24													0 22	24 0
25-26													0 25	27 0
27-28													0 26	28 0
29-30													0 29	31 0
31-32													0 30	32 0
33-34													0 33	35 0
35-36													0 34	36 0
37-38													0 37	39 0
39-40													0 38	40 0
41-42													0 41	43 0
43-44													0 42	44 0
45-46													0 45	47 0
47-48													0 46	48 0

▶ MOUNTING

- Front One-hole
- Rear DIN rail
- Enclosure

▶ STANDARD PRESENTATION

- Handle: small medium large
- Lever: small large
- Color: grey black red
- Selector switch style handle
- With key
 - Choice of key: 455 1424 A other.....

▶ LEGEND PLATE AND ENGRAVING

Choice of legend plate size (mm):

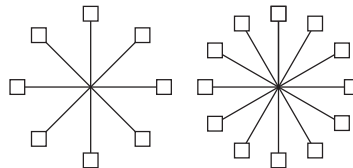
- 48 64 72 96

Choice of legend plate color:

- Alu Black Red Yellow

- Engraving: (use opposite box to specify your engravings)
 - linear
 - polygonal
- Duty label (2 x 13 characters) :

▶ MARKING OF POSITIONS



▶ SWITCHING ANGLE

- 90° 60° 45° 30°
- (indicate positions in boxes)

Blocking-off between and position
 One-way rotation: right left

YOUR DETAILS

Company:

.....

Name and surname:

.....

Address:

.....

E-mail :

Tel:

Fax:

COMMENTS

YOUR ENGRAVINGS

.....

.....

▶ PADLOCKABLE PRESENTATION

- Color: yellow/red grey
- Size: 48 72 96

▶ OPTIONS

- Foolproof handle
- IP rating: IP 40 (standard) IP 55 IP 65
- Terminal covers
- Tropicalized version

NOTES:

NOTES:

Notes:

General Terms and Conditions:

Please visit www.bacocontrols.com for our current terms and conditions.

This publication is based on information available at the time of printing.

Specifications, dimensions and other technical data subject to change without notice and without obligation.

▶ **A PARTNERSHIP WITH A STRONG PAST.....**
.....A COMMITMENT TO THE FUTURE

BACO[®]

Manufacturing Quality
Products Since 1919

BACO[®]
CONTROLS

Providing Exceptional Customer
Service to the U.S. Market Since
1980

BACO[®]
CONTROLS

www.bacocontrols.com

8431 Loop Rd

Baldwinsville, NY 13027

Tel: 315.635.2500

Fax: 800.356.3981