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 IP 66 protection
- Optimised ergonomic design
- Choice of bezels: black or chrome plastic
- Innovative and varied functions
- Optimised dimensions

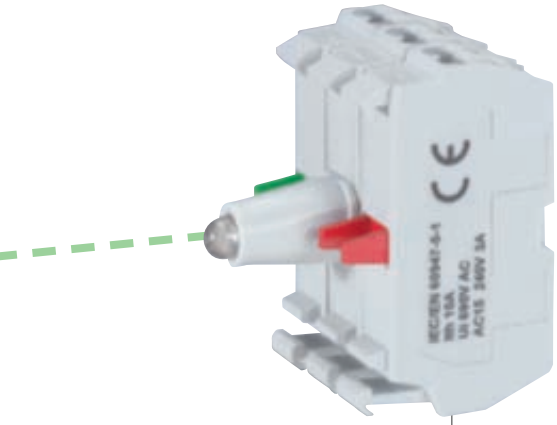
See pages 21 to 46

► 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

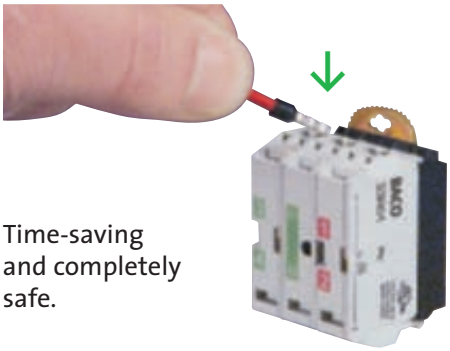
"Imaginatively designed to be safe, robust and durable"

- 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 (100,000 hours)
- Corrosion resistant to some chemicals and sea air, etc
- Conform to standard EN/IEC 60947-5-1
- Compliant with RoHS European directive (concerning restriction of hazardous substances)

See pages 48 to 64

► CONNECTION

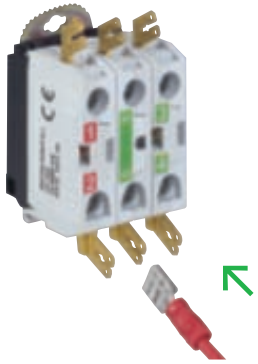
PLUG-IN TERMINALS - New



Time-saving and completely safe.

SCREW TERMINALS

FASTON TERMINALS



PIN STYLE TERMINALS (FOR PCB)

New heads...

robust and clearly marked!

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

IP 66
IK05
Head with anti-rotation tab

: **Ø 22,3 mm cut-out**

: Optional cut-out required for anti-rotation tab

Double touch
innovative design

Mushroom head
EN 418/ISO 13850
illuminated

Illuminated head
5 colours,
LED light source

► ADVANTAGES

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

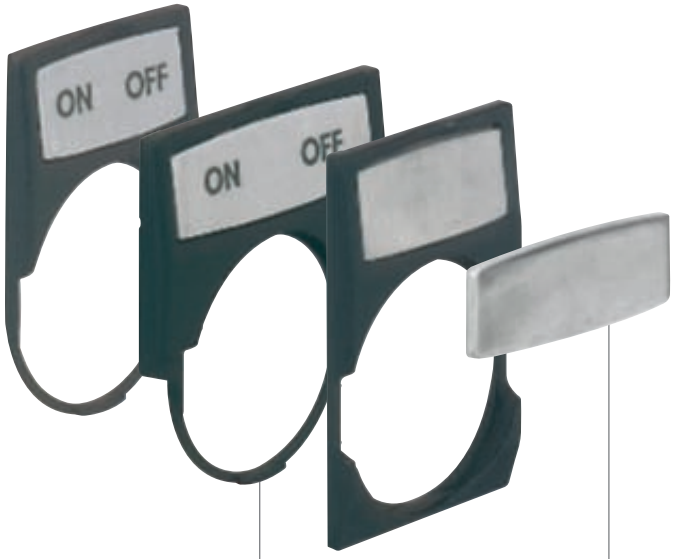
- On all heads, rotation is prevented by a tab which retracts when not required
- Insulating material ensures electrical safety
- Design and shape help avoid build-up of dirt and make the switch easy to clean
- EN 418/ISO 13850 illuminated mushroom head with yellow collar for side-on visual indication
- Optimised ergonomic design
- Innovative functions: illuminated emergency stop mushroom head, etc
- Optimised dimensions: low-profile heads

► MARKING WITH LEGENDS

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

Bezels
Choice between:
black or chrome

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



Frame
round or square shape,
30 or 40 mm wide

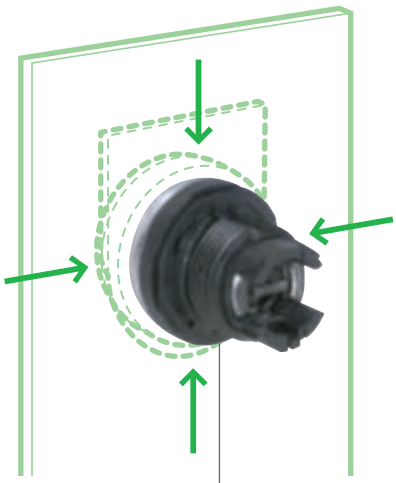
Legend plate
can be clipped into
place after installation

► READY-ASSEMBLED CONTROL STATION

- Innovative design
- 1, 2 or 3 buttons

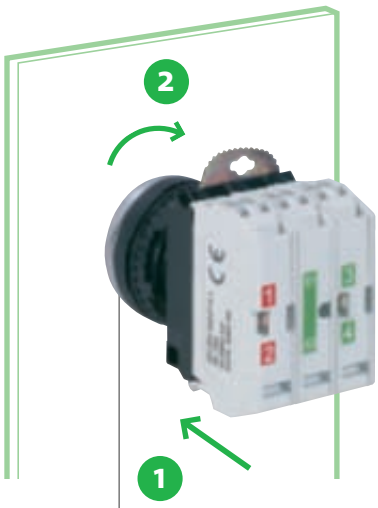
See page 82

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

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

► CONFIGURATIONS

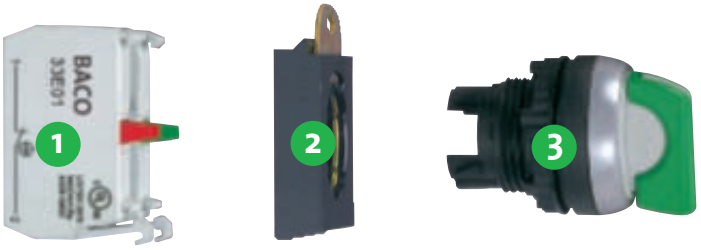
"A range designed to meet adapt to all requirements and all situations"

COMPLETE UNITS

- Control and signalling units are supplied ready for use with head and pre-assembled block/clip
- A single product code provides a solution for the most common needs

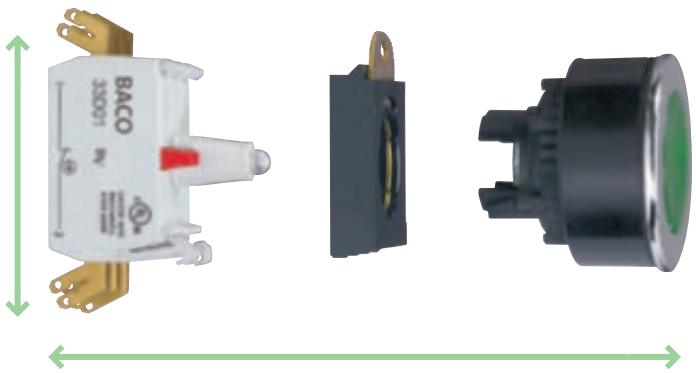
SEPARATE UNITS

- Maximum flexibility
- For numerous possible solutions



CUSTOMISED SOLUTIONS (request form p. 79)

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



Complete units: Push-buttons ø 22

IP 66
Complete units consisting of:
- head
- clip and screw electrical blocks assembled
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

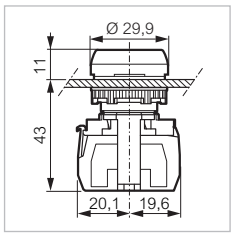
Characteristics (p. 94)

► SPRING RETURN - NON ILLUMINATED

FLUSH

Cat. No.

L21AA02A



Without engraving

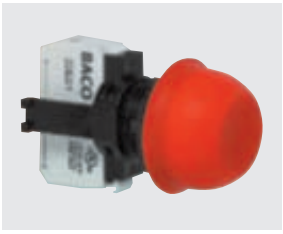
● Red	NC	21 22 / 13 14	**L21AA01B**
● Green	NO	13 14	**L21AA02A**
● Black	NO	13 14	**L21AA03A**
● Yellow	NO	13 14	**L21AA04C**
● Blue	NO	13 14	**L21AA06A**

With engraving

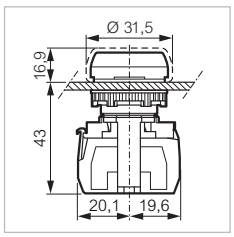
O Red	NC	21 22 / 13 14	**L21AA81B**
I Green	NO		**L21AA82B**

FLUSH

Reinforced degree of protection: IP 67



L22AF01A

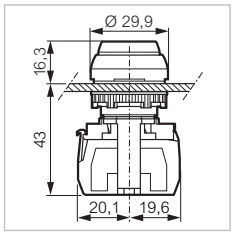


Supplied with opaque shroud

● Red	NC	21 22 / 13 14	**L22AF01A**
● Green	NO	13 14	**L22AF02A**
● Black	NO	13 14	**L22AF03A**

PROJECTING

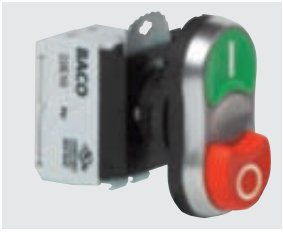
L21AB01A



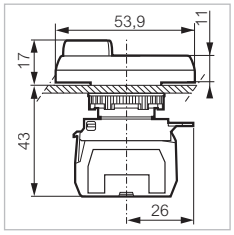
● Red	NC	21 22	**L21AB01A**

FLUSH-PROJECTING

Double touch



L61QB21A



I Green - Flush	NO	13 14	21 22	1 3 2 / NO NF	**L61QB21A**
O Red - Projecting	NC				

Catalogue No. in bold: normally in stock at distribution outlets

Complete units: Selector switches ø 22

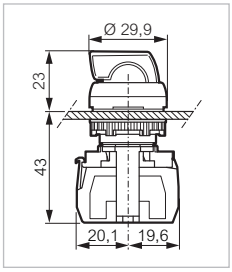
IP 66
Complete units consisting of:
- head
- clip and screw electrical blocks assembled
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

SELECTOR SWITCHES - NON ILLUMINATED

WITH HANDLE — 2 positions — Cat. No.

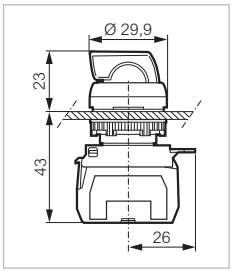
L21KE03B



Stay-put positions - 90°
● Black — 0 1 — NO — 13 14 — **L21KE03B**

WITH HANDLE — 3 positions — Cat. No.

L21MA03A

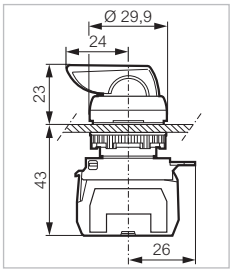


Stay-put positions - 45°
● Black — 1 0 2 — 2 NO — 13 14 23 24 — **L21MA03A**

Spring return to 0 - 45°
● Black — 1 0 2 — 2 NO — 13 14 23 24 — **L21MD03A**

WITH LONG HANDLE — 3 positions — Cat. No.

L21MR03A



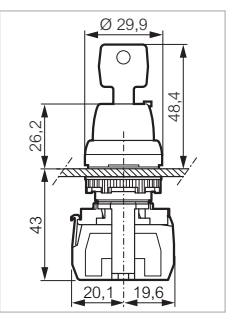
Kontakt

Stay-put positions - 45°
● Black — 1 0 2 — 2 NO — 13 14 23 24 — **L21MR03A**

Spring return to 0 - 45°
● Black — 1 0 2 — 2 NO — 13 14 23 24 — **L21MU03B**

WITH KEY — 2 positions — Cat. No.

L21LA00G



Supplied with 2 keys profile n°455
Stay-put positions - 45°
Key free in position 0 — 0 1 — NO — 13 14 — **L21LA00G**

Catalogue No. in bold: normally in stock at distribution outlets

Complete units: Mushroom heads ø 22

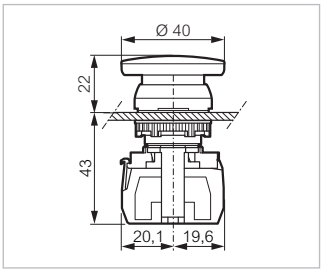
IP 66
Complete units consisting of:
- head
- clip and screw electrical blocks assembled
Conform to IEC 60947-5-1

Characteristics (p. 94)

MUSHROOM HEADS - NON ILLUMINATED

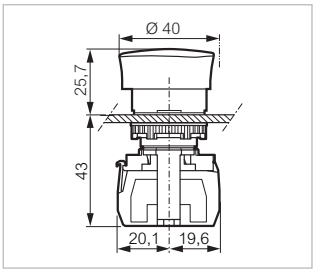
Ø 40 - SPRING RETURN	Push	Cat. No.
	Plastic chrome bezel Black bezel on request (form p. 79)	
	● Red — NC 21 22	**L21AD01C**

L21AD01C



Ø 40 - STAY-PUT	Push-turn to reset	Cat. No.
	Black bezel	
	● Red — NC 21 22	**L22ED01D**

L22ED01D



Catalogue No. in bold: normally in stock at distribution outlets

Complete units: Mushroom heads ø 22

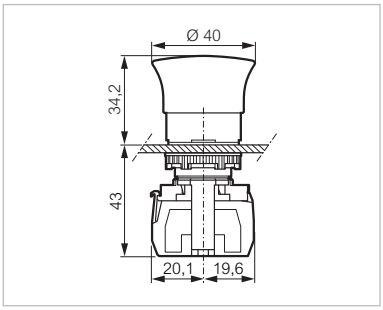
IP 66
Complete units consisting of:
- head
- clip and screw electrical blocks assembled
Plastic black bezel
Conform to IEC 60947-5-1

Characteristics (p. 94)

► MUSHROOM HEADS - NON ILLUMINATED (CONTINUED)

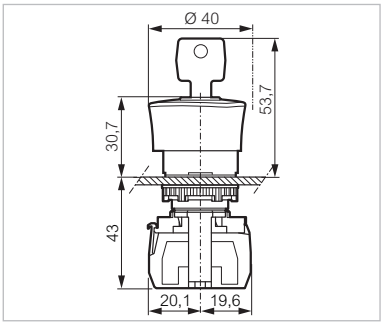
Ø 40 - STAY-PUT	Push-pull to reset	Cat. No.
	● Red NC 21 22	**L22DD01A**

L22DD01A



Ø 40 - STAY-PUT	Key to reset	Cat. No.
	Supplied with 2 keys profile n°455	
	● Red NC 21 22	**L22GM01E**

L22GM01E



Catalogue No. in bold: normally in stock at distribution outlets

Complete units: Mushroom heads ø 22

IP 66
Complete units consisting of:
- head
- clip and screw electrical blocks assembled
Plastic black bezel
Conform to IEC 60947-5-1

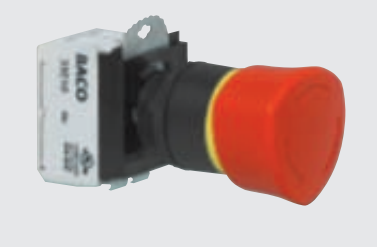
Characteristics (p. 94)

► EN 418/ISO 13850 EMERGENCY STOP - NON ILLUMINATED

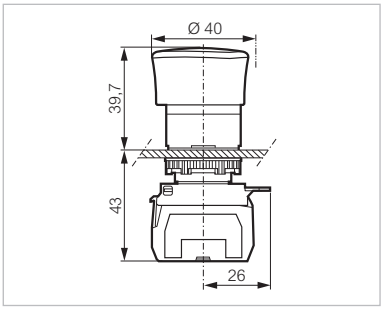
Ø 40 EN 418/ISO 13850 - STAY-PUT

Push-turn to reset

Cat. No.



L22ER01D



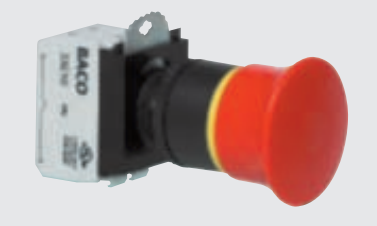
Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850

● Red — NO + NC — 13 14 / 21 22 — **L22ER01D**

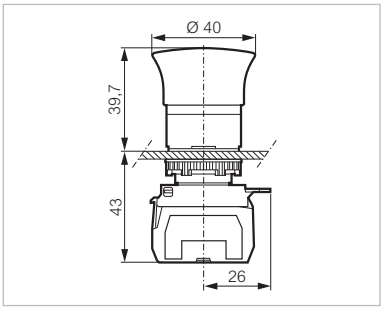
Ø 40 EN 418/ISO 13850 - STAY-PUT

Push-pull to reset

Cat. No.



L22DR01B



Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850

● Red — NO + NC — 13 14 / 21 22 — **L22DR01B**

Catalogue No. in bold: normally in stock at distribution outlets

Complete units: Mushroom heads ø 22

IP 66
Complete units consisting of:
- head
- clip and screw electrical blocks assembled
Plastic black bezel
Conform to IEC 60947-5-1

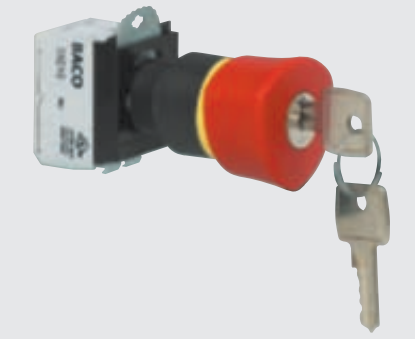
Characteristics (p. 94)

► EN 418/ISO 13850 EMERGENCY STOP - NON ILLUMINATED

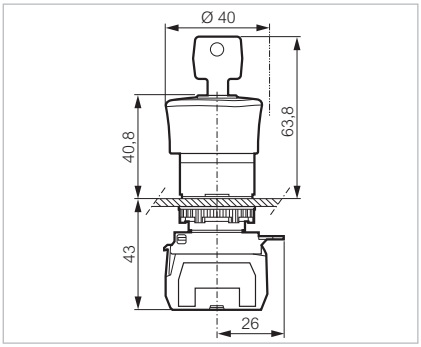
Ø 40 EN 418/ISO 13850 - STAY-PUT

Key to reset

Cat. No.



L22GR01B



Double position indicator: head and collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850
Supplied with 2 keys profile n°455

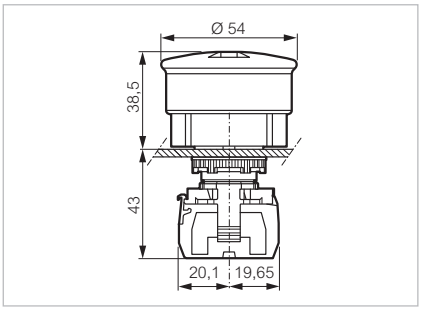
● Red — NO + NC — 13 14 / 21 22 — **L22GR01B**

Ø 54 EN 418/ISO 13850 - STAY-PUT

Push-pull to reset with flag indicator

Cat. No.

L22DU01G



Double position indicator: head and collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850
Flag indicator: Engraving STOP and I

● Red — NC — 21 22 — **L22DU01G**

Catalogue No. in bold: normally in stock at distribution outlets

Complete units: Pushbuttons ø 22

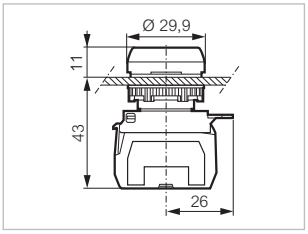
IP 66
Complete units consisting of:
- head
- clip and screw electrical blocks assembled
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► SPRING RETURN - ILLUMINATED

FLUSH

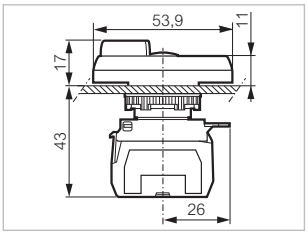
L21AH20L



LED blocks		Cat. No.
24V		
● Red	NO+NC	**L21AH10L**
● Green	NO+NC	**L21AH20L**
● Yellow	NO+NC	**L21AH40L**
○ White	NO+NC	**L21AH50L**
● Blue	NO+NC	**L21AH60L**
130 V		
● Red	NO+NC	**L21AH10M**
● Green	NO+NC	**L21AH20M**
230 V		
● Red	NO+NC	**L21AH10H**
● Green	NO+NC	**L21AH20H**

TWIN TOUCH - FLUSH-PROJECTING

L61QK21H



LED blocks Central part illuminated		Cat. No.
24 V		
Green	NO	
Red	NC	**L61QK21L**
130 V		
Green	NO	
Red	NC	**L61QK21M**
230 V		
Green	NO	
Red	NC	**L61QK21H**

Catalogue No. in bold: normally in stock at distribution outlets

Complete units: Selector switches ø 22

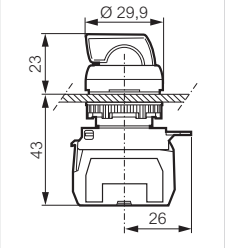
IP 66
Complete units consisting of:
- head
- clip and screw electrical blocks assembled
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

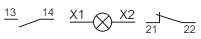
► SELECTOR SWITCHES - ILLUMINATED

WITH HANDLE | **2 positions** | Cat. No.

L21KG10C



LED blocks



Stay-put positions - 45°
24 V

● Red	NO + NC	0 1	**L21KG10C**
● Green	NO + NC		**L21KG20E**
● Black	NO + NC		**L21KG30B**

Catalogue No. in bold: normally in stock at distribution outlets

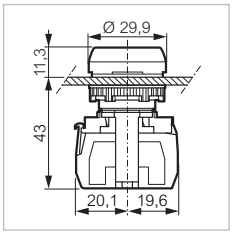
Complete units: Pilot lights ø 22

IP 66
Complete units consisting of:
- head
- clip and screw electrical blocks assembled
Conform to IEC 60947-5-1

Characteristics (p. 94)

▶ PILOT LIGHTS

L20SE20L



LED blocks	X1 ⊗ X2	Cat. No.
24 V		
● Red		**L20SE10L**
● Green		**L20SE20L**
● Yellow		**L20SE40L**
○ White		**L20SE50L**
● Blue		**L20SE60L**
130 V		
● Red		**L20SE10M**
● Green		**L20SE20M**
● Yellow		**L20SE40M**
○ White		**L20SE50M**
● Blue		**L20SE60M**
230V		
● Red		**L20SE10H**
● Green		**L20SE20H**
● Yellow		**L20SE40H**
○ White		**L20SE50H**
● Blue		**L20SE60H**

One-piece pilot lights (p. 45-46)

Separate units ø 22: Heads

IP 66
To be combined with a clip and electrical blocks (p. 48)
Equipped with a locking ring
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

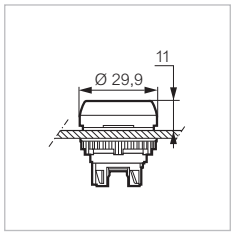
Characteristics (p. 94)

► PUSH-BUTTONS - NON ILLUMINATED

SPRING RETURN - FLUSH

Cat. No.

L21AA02



Without engraving

● Red	**L21AA01**
● Green	**L21AA02**
● Black	**L21AA03**
● Yellow	**L21AA04**
○ White	**L21AA05**
● Blue	**L21AA06**

With engraving

Red	**L21AA81**
Green	**L21AA82**
Black	L21AA83

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

● Red	L21AA31⌊⌊⌊⌋
● Green	L21AA32⌊⌊⌊⌋
● Black	L21AA33⌊⌊⌊⌋
● Yellow	L21AA34⌊⌊⌊⌋
○ White	L21AA35⌊⌊⌊⌋
● Blue	L21AA36⌊⌊⌊⌋

(Other colours and engraving: fill in the form p. 79)

Without button plate **L21AA00**

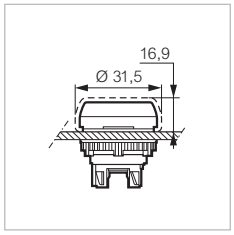
Button plates (see p. 74)

L21AA00

SPRING RETURN - FLUSH

Reinforced degree of protection: IP 67

L22AF01



Supplied with shroud

Opaque

● Red	**L22AF01**
● Green	**L22AF02**
● Black	**L22AF03**

Transparent

● Yellow	L22AG04
○ White	L22AG05
● Blue	L22AG06

Separate units ø 22: Heads

IP 66
To be combined with a clip and electrical blocks (p. 48)
Equipped with a locking ring
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

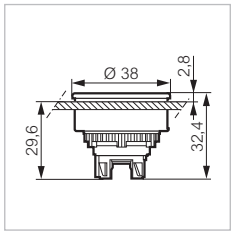
Characteristics (p. 94)

► PUSH-BUTTONS - NON ILLUMINATED (CONTINUED)

SPRING RETURN - SUPER FLUSH

Cat. No.

L23AA02



Metallic chrome bezel
Cut-out ø 30,5 mm

Without engraving

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

With engraving

Red	L23AA81
Green	L23AA82

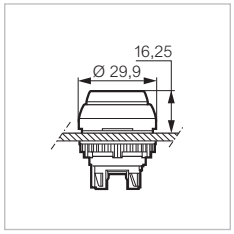
On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

● Red	L23AA31⌊⌋⌋
● Green	L23AA32⌊⌋⌋
● Black	L23AA33⌊⌋⌋
● Yellow	L23AA34⌊⌋⌋
○ White	L23AA35⌊⌋⌋
● Blue	L23AA36⌊⌋⌋

(Other colours and engraving: fill in the form p. 79)

SPRING RETURN - PROJECTING

L21AB01

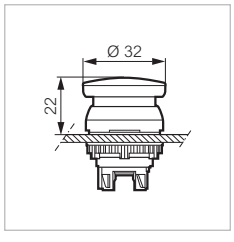


● Red	**L21AB01**
● Green	**L21AB02**
● Black	**L21AB03**
● Yellow	**L21AB04**
○ White	**L21AB05**
● Blue	**L21AB06**

SPRING RETURN - MUSHROOM HEAD Ø 32

Push

L21AC03



● Red	**L21AC01**
● Green	**L21AC02**
● Black	**L21AC03**
● Yellow	L21AC04

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

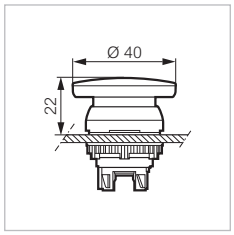
IP 66
To be combined with a clip and electrical blocks (p. 48)
Equipped with a locking ring
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► PUSH-BUTTONS - NON ILLUMINATED (CONTINUED)

SPRING RETURN - MUSHROOM HEAD Ø 40 — Push

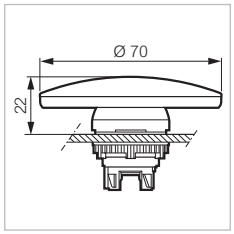
L21AD01



	Cat. No.
● Red	**L21AD01**
● Green	**L21AD02**
● Black	**L21AD03**
● Yellow	**L21AD04**
● Blue	L21AD06

SPRING RETURN - MUSHROOM HEAD Ø 70 — Push

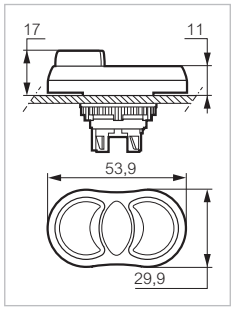
L21AE03



● Red	**L21AE01**
● Black	**L21AE03**

SPRING RETURN - FLUSH-PROJECTING — Double touch

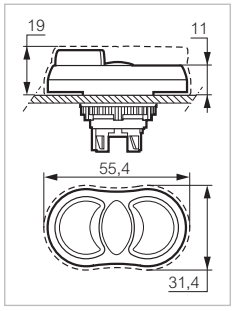
L61QB21



I Green O Red	**L61QB21**
Green engraving START Red engraving STOP	L61QB21B

SPRING RETURN - FLUSH-PROJECTING — Double touch - reinforced degree of protection: IP 67

L62QM21



Supplied with transparent shroud

I Green O Red	**L62QM21**

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

IP 66
To be combined with a clip and electrical blocks (p. 48)
Equipped with a locking ring
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

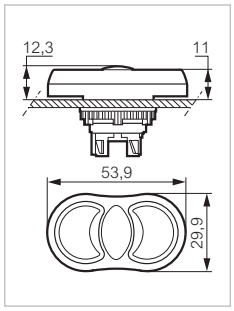
Characteristics (p. 94)

► PUSH-BUTTONS - NON ILLUMINATED (CONTINUED)

SPRING RETURN - FLUSH-FLUSH

Double touch

L61QA21

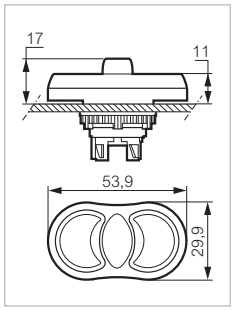


	Cat. No.
Green Red	**L61QA21**
Green engraving ◁II▷ Green engraving ▷I◁	L61QA22
Green Green	L61QA22K
Black Black	L61QA33C

SPRING RETURN - FLUSH-PROJECTING-FLUSH

Triple touch

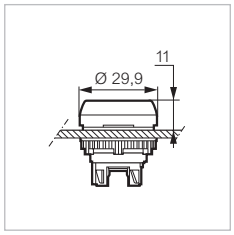
L61BA22



	Cat. No.
Green Red engraving STOP Green	**L61BA22**
Green Red engraving STOP Green	L61BA22B

STAY-PUT - FLUSH

L21CA01



	Cat. No.
Red	**L21CA01**
Green	**L21CA02**
Black	**L21CA03**
Yellow	**L21CA04**
White	**L21CA05**
Blue	**L21CA06**

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

IP 66
To be combined with a clip and electrical blocks (p. 48)
Equipped with a locking ring
Plastic black bezel
Conform to IEC 60947-5-1

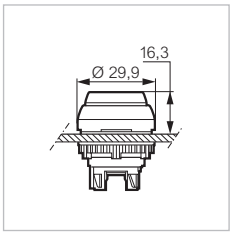
Characteristics (p. 94)

► PUSH-BUTTONS - NON ILLUMINATED (CONTINUED)

STAY-PUT - PROJECTING

Cat. No.

L21CB02



Plastic chrome bezel
Black bezel on request (form p. 79)

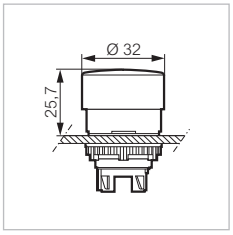
● Red	**L21CB01**
● Green	**L21CB02**
● Black	**L21CB03**
● Yellow	L21CB04
○ White	L21CB05
● Blue	L21CB06

► MUSHROOM HEADS - NON ILLUMINATED

Ø 32 - STAY-PUT

Push-turn to reset

L22EC01

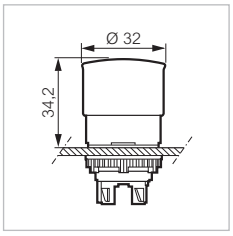


● Red	**L22EC01**
● Green	L22EC02
● Black	**L22EC03**
● Yellow	L22EC04

Ø 32 - STAY-PUT

Push-pull to reset

L22DC01

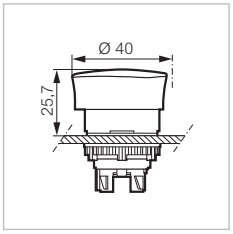


● Red	L22DC01

Ø 40 - STAY-PUT

Push-turn to reset

L22ED01



Without engraving

● Red	**L22ED01**
● Green	L22ED02
● Black	**L22ED03**
● Yellow	L22ED04

With engraving

● Red - engraving STOP - STOP - STOP	**L22ED01B**

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

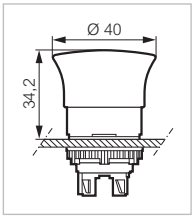
IP 66
To be combined with a clip and electrical blocks (p. 48)
Equipped with a locking ring
Plastic black bezel
Conform to IEC 60947-5-1

Characteristics (p. 94)

► MUSHROOM HEAD - NON ILLUMINATED (CONTINUED)

Ø 40 - STAY-PUT | **Push-pull to reset** | Cat. No.

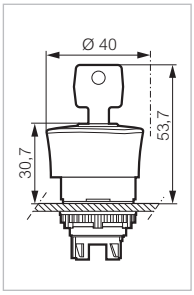
L22DD01



● Red **L22DD01**
● Black **L22DD03**

Ø 40 - STAY-PUT | **Key to reset**

L22GM01



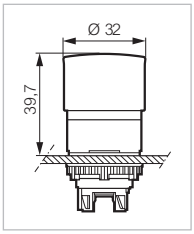
Supplied with 2 keys profile n° 455

● Red **L22GM01**

► EN 418/ISO 13850 EMERGENCY STOP - NON ILLUMINATED

Ø 32 EN 418/ISO 13850 - STAY-PUT | **Push-pull** | Cat. No.

L22DQ01

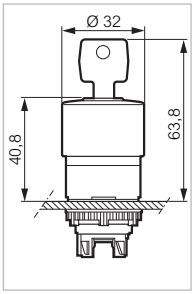


Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850

● Red **L22DQ01**

Ø 32 EN 418/ISO 13850 - STAY-PUT | **Key to reset**

L22GQ01



Supplied with 2 keys profile n° 455
Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850

● Red L22GQ01

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

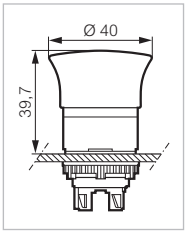
IP 66
To be combined with a clip and electrical blocks (p. 48)
Equipped with a locking ring
Plastic black bezel
Conform to IEC 60947-5-1

Characteristics (p. 94)

EN 418/ISO 13850 EMERGENCY STOP - NON ILLUMINATED (CONTINUED)

Ø 40 EN 418/ISO 13850 - STAY-PUT — Push-pull to reset

L22DR01

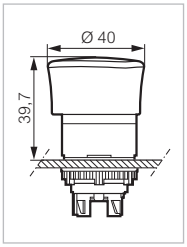


Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850

● Red — **L22DR01**

Ø 40 EN 418/ISO 13850 - STAY-PUT — Push-turn to reset

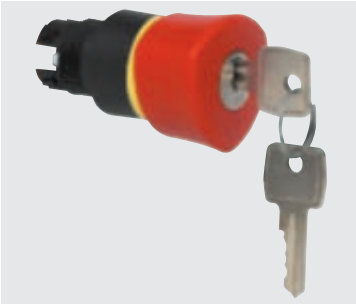
L22ER01



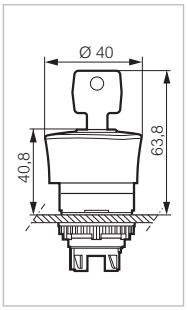
Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850

● Red — **L22ER01**

Ø 40 EN 418/ISO 13850 - STAY-PUT — Key to reset



L22GR01

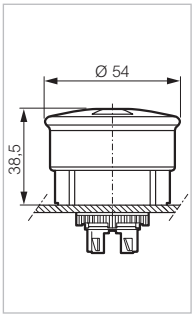


Supplied with 2 keys profile n° 455
Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850

● Red — **L22GR01**

Ø 54 EN 418/ISO 13850 - STAY-PUT — Push-pull to reset with flag indicator

L22DU01



Double position indicator: head and collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850

● Red - engraving O- I — **L22DU01A**
● Red - engraving STOP - I — **L22DU01**

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

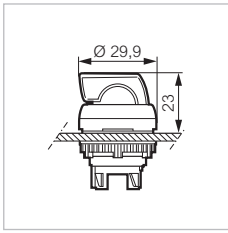
IP 66
To be combined with a clip and electrical blocks (p. 48)
Equipped with a locking ring
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► SELECTOR SWITCHES - NON ILLUMINATED

WITH HANDLE

L21KA03



2 positions	Cat. No.
Stay-put positions - 45° (0 1)	
● Red	**L21KA01**
● Green	**L21KA02**
● Black	**L21KA03**
● Grey	**L21KA08**
Spring return - 45° (0 1)	
● Red	L21KB01
● Green	L21KB02
● Black	**L21KB03**
● Grey	L21KB08
Stay-put positions - 45° (0 1)	
● Red	**L21KC01**
● Green	**L21KC02**
● Black	**L21KC03**
● Grey	**L21KC08**
Spring return - 45° (0 1)	
● Red	L21KD01
● Green	L21KD02
● Black	**L21KD03**
● Grey	L21KD08
Stay-put positions - 90° (0 1)	
● Red	L21KE01
● Green	L21KE02
● Black	**L21KE03**
● Grey	L21KE08
Stay-put positions - 90° (0 1)	
● Red	L21KF01
● Green	L21KF02
● Black	**L21KF03**
● Grey	L21KF08

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

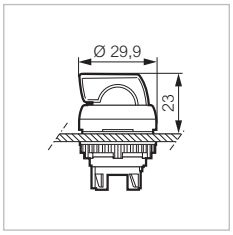
IP 66
To be combined with a clip and electrical blocks (p. 48)
With locking ring
Plastic chrome bezel- Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

WITH HANDLE

L21MA03



L21MA08

3 positions		Cat. No.
Stay-put positions - 45°		
● Red		**L21MA01**
● Green		**L21MA02**
● Black		**L21MA03**
● Grey		**L21MA08**
Spring return from left to 0 - 45°		
● Red		L21MB01
● Green		L21MB02
● Black		**L21MB03**
● Grey		L21MB08
Spring return from right to 0 - 45°		
● Red		L21MC01
● Green		L21MC02
● Black		**L21MC03**
● Grey		L21MC08
Spring return to 0 - 45°		
● Red		L21MD01
● Green		L21MD02
● Black		**L21MD03**
● Grey		L21MD08
Stay-put positions - 90°		
● Red		L21MK01
● Green		L21MK02
● Black		**L21MK03**
● Grey		L21MK08

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

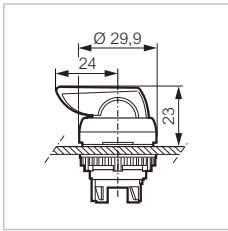
IP 66
To be combined with a clip and electrical blocks (p. 48)
With locking ring
Plastic chrome bezel- Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

WITH LONG HANDLE

L21KP03



2 positions		Cat. No.
Stay-put positions - 45°		
● Red		L21KP01
● Green		L21KP02
● Black		**L21KP03**
● Grey		L21KP08
Spring return - 45°		
● Red		L21KQ01
● Green		L21KQ02
● Black		**L21KQ03**
Stay-put positions - 45°		
● Red		L21KR01
● Green		L21KR02
● Black		**L21KR03**
Spring return - 45°		
● Red		L21KS01
● Green		L21KS02
● Black		**L21KS03**
Stay-put positions - 90°		
● Red		L21KT01
● Green		L21KT02
● Black		**L21KT03**
Stay-put positions - 90°		
● Red		L21KU01
● Green		L21KU02
● Black		**L21KU03**

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

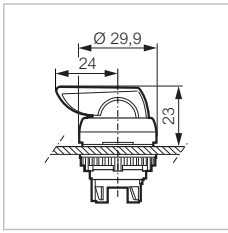
IP 66
To be combined with a clip and electrical blocks (p. 48)
With locking ring
Plastic chrome bezel- Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

WITH LONG HANDLE

L21MR03



3 positions		Cat. No.
Stay-put positions - 45°		
● Red		L21MR01
● Green		L21MR02
● Black		**L21MR03**
● Grey		L21MR08
Spring return from left to 0 - 45°		
● Red		L21MS01
● Green		L21MS02
● Black		**L21MS03**
● Grey		L21MS08
Spring return from right to 0 - 45°		
● Red		L21MT01
● Green		L21MT02
● Black		**L21MT03**
● Grey		L21MT08
Spring return to 0 - 45°		
● Red		L21MU01
● Green		L21MU02
● Black		**L21MU03**
● Grey		L21MU08

Separate units ø 22: Heads

IP 66
To be combined with a clip and electrical blocks (p. 48)
With locking ring
Plastic chrome bezel- Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

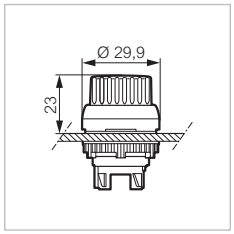
Characteristics (p. 94)

► SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

WITH KNOB

2 positions

L21TF03



Stay-put positions - 45°
● Black — 0 1 — **L21TA03**

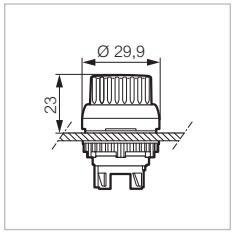
Spring return - 45°
● Black — 0 1 — **L21TB03**

Stay-put positions - 90°
● Black — 0 1 — **L21TF03**

WITH KNOB

3 positions

L21UA03



Stay-put positions - 45°
● Black — 0 1 2 — **L21UA03**

Spring return from left to 0 - 45°
● Black — 0 1 2 — L21UB03

Spring return from right to 0 - 45°
● Black — 0 1 2 — L21UC03

Spring return to 0 - 45°
● Black — 0 1 2 — **L21UD03**

Stay-put positions - 90°
● Black — 0 1 2 — **L21UK03**

Separate units ø 22: Heads

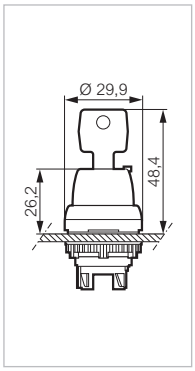
IP 66
To be combined with a clip and electrical blocks (p. 48)
With locking ring
Plastic chrome bezel- Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

WITH KEY

L21LG00



2 positions	Key free in position:	Cat. No.
Supplied with 2 keys profile n° 455		
Stay-put positions - 45° ● Black	0	**L21LA00**
Spring return - 45° ● Black	0	L21LB00
Stay-put positions - 45° ● Black	0	**L21LC00**
Spring return - 45° ● Black	0	**L21LD00**
Stay-put positions - 90° ● Black	0	**L21LF00**
Stay-put positions - 90° ● Black	0 - 1	**L21LG00**
Stay-put positions - 90° ● Black	0 - 1	**L21LH00**
Stay-put positions - 90° ● Black	1	**L21LK00**

Key profile n° 1424 A and others (form p. 79)

Separate units ø 22: Heads

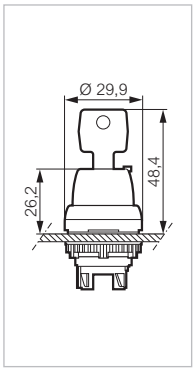
IP 66
To be combined with a clip and electrical blocks (p. 48)
With locking ring
Plastic chrome bezel- Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

WITH KEY

L21NA00



3 positions	Key free in position:	Cat. No.
Supplied with 2 keys profile n° 455		
Stay-put positions - 45°		
● Black	0	**L21NA00**
Spring return from left to 0 - 45°		
● Black	0	L21NB00
Spring return from right to 0 - 45°		
● Black	0	L21NC00
Spring return to 0 - 45°		
● Black	0	**L21ND00**
Stay-put positions - 45°		
● Black	1 - 2	L21NE00
Spring return from right to 0 - 45°		
● Black	1	**L21NJ00**
Stay-put positions - 90°		
● Black	1 - 0 - 2	**L21NK00**
Stay-put positions - 90°		
● Black	0	**L21NL00**

Key profile n° 1424 A and others (form p. 79)

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

IP 65
With locking ring
Plastic chrome bezel
Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

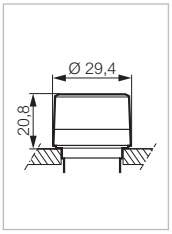
Characteristics (p. 94)

ADJUSTABLE MECHANICAL PUSH/RESET BUTTON - NON ILLUMINATED

SPRING RETURN - FLUSH

Cat. No.

L21HA01



To be used without electrical block
Stroke 11 mm
Adjustable: 26 mm min to 46 mm max / front side of panel

Without engraving

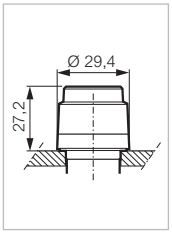
● Red	**L21HA01**
● Green	**L21HA02**
● Black	**L21HA03**
● Yellow	L21HA04
○ White	L21HA05
● Blue	**L21HA06**

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

● Red	L21HA31⌊⌋⌊⌋⌊⌋
● Green	L21HA32⌊⌋⌊⌋⌊⌋
● Black	L21HA33⌊⌋⌊⌋⌊⌋
● Yellow	L21HA34⌊⌋⌊⌋⌊⌋
○ White	L21HA35⌊⌋⌊⌋⌊⌋
● Blue	L21HA36⌊⌋⌊⌋⌊⌋

SPRING RETURN - 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
● Green	L21HB02
● Black	L21HB03
● Yellow	L21HB04
○ White	L21HB05
● Blue	L21HB06

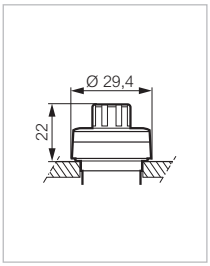
Separate units ø 22: Heads

IP 65
With locking ring
Conform to IEC 60947-5-1

Characteristics (p. 94)

BUTTON FOR POTENTIOMETER - NON ILLUMINATED

Cat. No.



L21RP03

Head + mounting base for potentiometer
Plastic chrome bezel

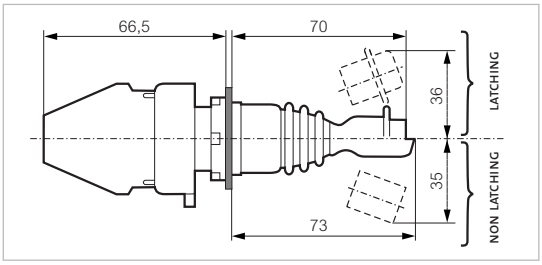
Shaft ø 6 or 6.35 mm
Potentiometer length 46 to 51 mm — **L21RP03**

JOYSTICKS - NON ILLUMINATED

Cat. No.

LM2F

LMV4F



Heads supplied with a 3 position clip
Specific electrical blocks (p. 63)

Head does not lock in position 0

2 directions - 3 positions

2 maintained (stay-put) — A - 0 - B — **LM2F**
2 spring-return — A→0←B — **LM2A**

4 directions - 5 positions

4 maintained (stay-put) — 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 (stay-put) — A - 0 - B — **LMV2F**
2 spring-return — A→0←B — **LMV2A**

4 directions - 5 positions

4 maintained (stay-put) — A / C - 0 - D / B — **LMV4F**

4 spring-return — A / C→0←D / B — **LMV4A**

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

IP 66
To be combined with a clip, LED block and contact blocks (p. 48)
With locking ring
Plastic chrome bezel- Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

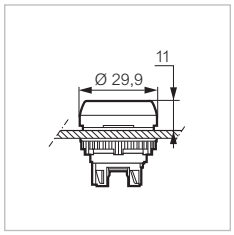
Characteristics (p. 94)

► PUSH-BUTTONS - ILLUMINATED

SPRING RETURN - FLUSH

Cat. No.

L21AH20



Without engraving

● Red	**L21AH10**
● Green	**L21AH20**
● Yellow	**L21AH40**
○ White	**L21AH50**
● Blue	**L21AH60**

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

● Red	L21AH31⌊⌊⌊⌋
● Green	L21AH32⌊⌊⌊⌋
● Yellow	L21AH34⌊⌊⌊⌋
○ White	L21AH35⌊⌊⌊⌋
● Blue	L21AH36⌊⌊⌊⌋

L21AH00

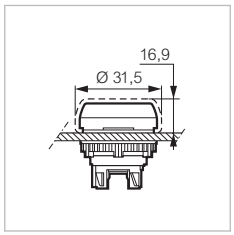
Without button plate **L21AH00**

Button plates (p. 74)

SPRING RETURN - FLUSH

Reinforced degree of protection: IP 67

L22AP40

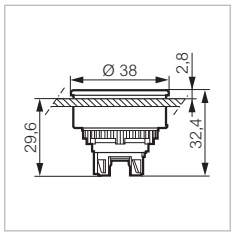


Supplied with transparent shroud

● Red	L22AP10
● Green	L22AP20
● Yellow	L22AP40
○ White	L22AP50
● Blue	L22AP60

SPRING RETURN - SUPER FLUSH

L23AH10



Metallic chrome bezel
Drilling ø 30,5 mm

Without engraving

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

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

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

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

IP 66
To be combined with a clip, LED block and contact blocks (p. 48)
With locking ring
Plastic chrome bezel
Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

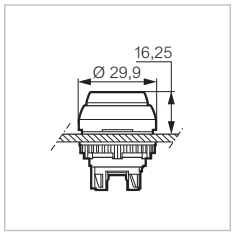
Characteristics (p. 94)

► PUSH-BUTTONS - ILLUMINATED (CONTINUED)

SPRING RETURN - PROJECTING

Cat. No.

L21AK20

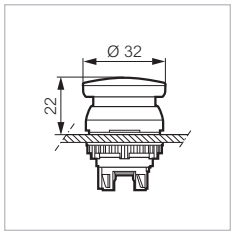


● Red	**L21AK10**
● Green	**L21AK20**
● Yellow	**L21AK40**
○ White	**L21AK50**
● Blue	**L21AK60**

SPRING RETURN - MUSHROOM HEAD Ø 32

Push

L21AL10

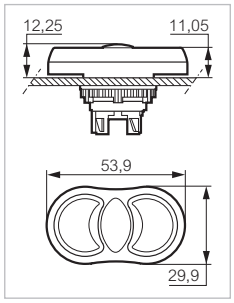


● Red	**L21AL10**
● Green	**L21AL20**
● Yellow	L21AL40
○ White	L21AL50

SPRING RETURN - FLUSH-FLUSH

Double touch

L61QH21



Central part illuminated

I Green O Red	**L61QH21**
Green Green	**L61QH22V**
Green engraving START Red engraving STOP	L61QH21A

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

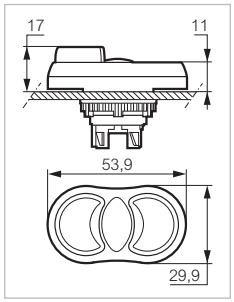
IP 66
To be combined with a clip, LED block and contact blocks (p. 48)
With locking ring
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► PUSH-BUTTONS - ILLUMINATED (CONTINUED)

SPRING RETURN - FLUSH-PROJECTING — **Double touch** — Cat. No.

L61QK21

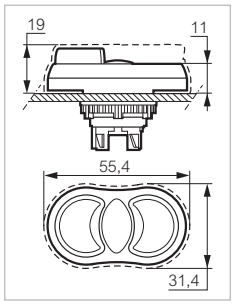


Central part illuminated

Green Red	**L61QK21**
White Black	**L61QK53**
Green engraving START Red engraving STOP	**L61QK21A**

SPRING RETURN - FLUSH-PROJECTING — **Double touch - reinforced degree of protection: IP 67**

L62QN21



Supplied with transparent shroud
Central part illuminated

Green Red	**L62QN21**

Separate units ø 22: Heads

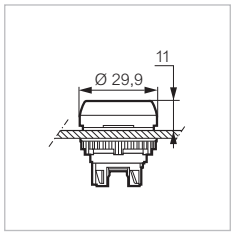
IP 66
To be combined with a clip, LED block and contact blocks (p. 48)
With locking ring
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► PUSH-BUTTONS - ILLUMINATED (CONTINUED)

STAY-PUT - FLUSH

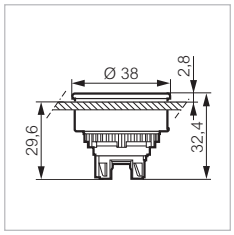
L21CH20



	Réf.
● Red	**L21CH10**
● Green	**L21CH20**
● Yellow	**L21CH40**
○ White	**L21CH50**
● Blue	**L21CH60**

STAY-PUT - SUPER FLUSH

L23CH10

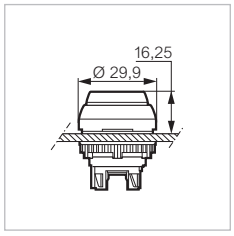


Metallic chrome bezel
Drilling ø 30,5 mm

● Red	**L23CH10**
● Green	**L23CH20**
● Yellow	L23CH40
○ White	L23CH50
● Blue	L23CH60

STAY-PUT - PROJECTING

L21CK20



● Red	**L21CK10**
● Green	**L21CK20**
● Yellow	**L21CK40**
○ White	**L21CK50**
● Blue	**L21CK60**

Separate units ø 22: Heads

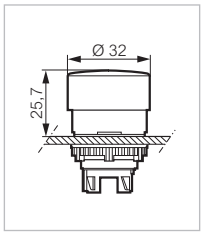
IP 66
To be combined with a clip, LED block and contact blocks (p. 48)
With locking ring
Black bezel
Conform to IEC 60947-5-1

Characteristics (p. 94)

► MUSHROOM HEADS - ILLUMINATED

Ø 32 - STAY-PUT — Push-turn to reset

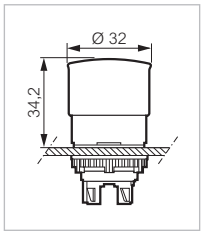
L22EL10



	Cat. No.
● Red	**L22EL10**

Ø 32 - STAY-PUT — Push-pull to reset

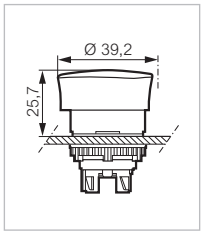
L22DL10



	Cat. No.
● Red	L22DL10

Ø 40 - STAY-PUT — Push-turn to reset

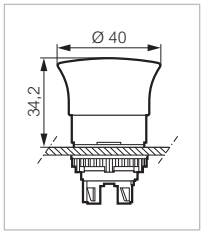
L22EM10



	Cat. No.
● Red	**L22EM10**
● Green	L22EM20
● Yellow	L22EM40

Ø 40 - STAY-PUT — Push-pull to reset

L22DM10



	Cat. No.
● Red	**L22DM10**
● Green	L22DM20
● Yellow	L22DM40
○ White	L22DM50

Separate units ø 22: Heads

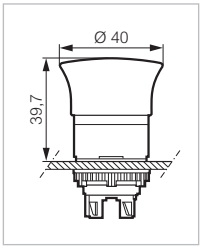
IP 66
To be combined with a clip, LED block and contact blocks (p. 48)
With locking ring
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► EN 418/ISO 13850 EMERGENCY STOP - ILLUMINATED

Ø 40 EN 418/ISO 13850- STAY-PUT | **Push-pull to reset** | Cat. No.

L22DN10



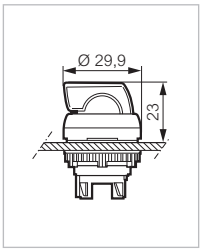
Black bezel
Head position visible from the side with yellow collar
Compliant with the requirements of emergency stop:
IEC 60947-5-5 /EN 418/ISO 13850

- Red — **L22DN10**

► SELECTOR SWITCHES - ILLUMINATED

WITH HANDLE | **2 positions** | Cat. No.

L21KJ30



Stay-put positions - 45°

- Red — **L21KG10**
- Green — **L21KG20**
- Black — **L21KG30**

Spring return- 45°

- Red — L21KH10
- Green — L21KH20
- Black — **L21KH30**

Stay-put positions - 45°

- Red — **L21KJ10**
- Green — **L21KJ20**
- Black — **L21KJ30**

Spring return- 45°

- Red — L21KK10
- Green — L21KK20
- Black — **L21KK30**

Stay-put positions - 90°

- Red — L21KL10
- Green — L21KL20
- Black — **L21KL30**

Stay-put positions - 90°

- Red — **L21KM10**
- Green — **L21KM20**
- Black — **L21KM30**

Catalogue No. in bold: normally in stock at distribution outlets

Separate units ø 22: Heads

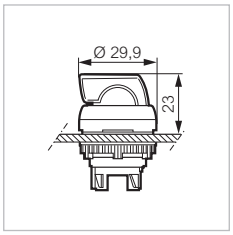
IP 66
To be combined with a clip, LED block and contact blocks (p. 48)
With locking ring
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

Characteristics (p. 94)

SELECTOR SWITCHES - ILLUMINATED

WITH HANDLE

L21ME10



3 positions		Cat. No.
Stay-put positions - 45°		
● Red ● Green ● Black		**L21ME10** **L21ME20** **L21ME30**
Spring return from left to 0 - 45°		
● Red ● Green ● Black		L21MF10 L21MF20 L21MF30
Spring return from right to 0 - 45°		
● Red ● Green ● Black		**L21MG10** **L21MG20** **L21MG30**
Spring return to 0 - 45°		
● Red ● Green ● Black		**L21MH10** **L21MH20** **L21MH30**
Stay-put positions - 90°		
● Red ● Green ● Black		L21MJ10 L21MJ20 L21MJ30

Separate units ø 22: Heads

IP 66
To be combined with a clip, LED block and contact blocks (p. 48)
With locking ring
Plastic chrome bezel - Black bezel on request (form p. 79)
Conform to IEC 60947-5-1

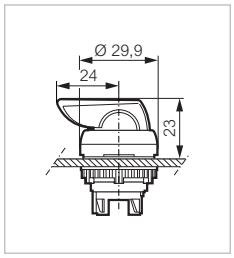
Characteristics (p. 94)

SELECTOR SWITCHES - ILLUMINATED (CONTINUED)

WITH LONG HANDLE

2 positions

L21KV30



Stay-put positions - 45°

	Cat. No
● Black	**L21KV30**

Stay-put positions - 45°

	Cat. No
● Black	L21KX30

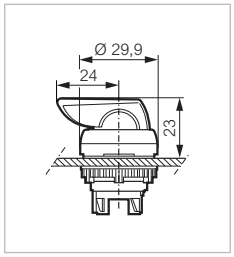
Spring return - 45°

	Cat. No
● Black	L21KY30

WITH LONG HANDLE

3 positions

L21ML30



Stay-put positions - 45°

	Cat. No
● Black	**L21ML30**

Spring return from left to 0 - 45°

	Cat. No
● Black	L21MM30

Spring return from right to 0 - 45°

	Cat. No
● Black	L21MN30

Spring return to 0 - 45°

	Cat. No
● Black	L21MP30

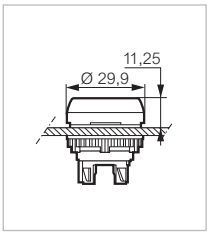
Pilot lights ø 22

IP 66
To be combined with a clip, LED block (p. 51)
With locking ring
Conform to IEC 60947-5-1

Characteristics (p. 94)

PILOT LIGHTS - SEPARATE UNITS

L20SE20



To be combined with a clip and LED block (p. 51)

Cat. No

Without engraving

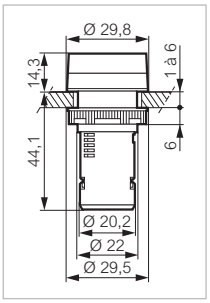
● Red	**L20SE10**
● Green	**L20SE20**
● Yellow	**L20SE40**
○ White	**L20SE50**
● Blue	**L20SE60**

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

● Red	L20SE31⌊⌊⌊⌋
● Green	L20SE32⌊⌊⌊⌋
● Yellow	L20SE34⌊⌊⌊⌋
○ White	L20SE35⌊⌊⌊⌋
● Blue	L20SE36⌊⌊⌊⌋

ONE-PIECE PILOT LIGHTS

L20SA40



To be used with BA9S bulbs (not supplied)
Direct supply
To be used without electrical block

Cat. No

Without engraving
Ribbed lens

● Red	**L20SA10**
● Green	**L20SA20**
○ Colourless	**L20SA30**
● Yellow	**L20SA40**
○ White	**L20SA50**
● Blue	**L20SA60**

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number
Smooth lens

● Red	L20SA31⌊⌊⌊⌋
● Green	L20SA32⌊⌊⌊⌋
○ Colourless	L20SA33⌊⌊⌊⌋
● Yellow	L20SA34⌊⌊⌊⌋
○ White	L20SA35⌊⌊⌊⌋
● Blue	L20SA36⌊⌊⌊⌋

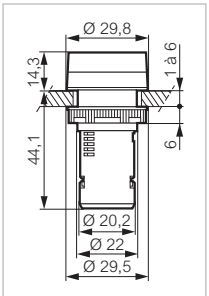
Pilot lights ø 22

IP 66
Direct supply

Characteristics (p. 94)

ONE-PIECE PILOT LIGHTS (CONTINUED)

L20SA10M



Supplied with LED bulb-type BA9S
Smooth lens

Cat. No.

24V

Without engraving

● Red	**L20SA10L**
● Green	**L20SA20L**
● Yellow	**L20SA40L**
○ White	**L20SA50L**
● Blue	**L20SA60L**

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

● Red	L20SA31L⌊⌊⌊⌋
● Green	L20SA32L⌊⌊⌊⌋
● Yellow	L20SA34L⌊⌊⌊⌋
○ Colourless	L20SA33L⌊⌊⌊⌋
● Blue	L20SA36L⌊⌊⌊⌋

130V

Without engraving

● Red	**L20SA10M**
● Green	**L20SA20M**
● Yellow	**L20SA40M**
○ White	**L20SA50M**
● Blue	**L20SA60M**

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

● Red	L20SA31M⌊⌊⌊⌋
● Green	L20SA32M⌊⌊⌊⌋
● Yellow	L20SA34M⌊⌊⌊⌋
○ Colourless	L20SA33M⌊⌊⌊⌋
● Blue	L20SA36M⌊⌊⌊⌋

230V

Without engraving

● Red	**L20SA10H**
● Green	**L20SA20H**
● Yellow	**L20SA40H**
○ White	**L20SA50H**
● Blue	**L20SA60H**

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

● Red	L20SA31H⌊⌊⌊⌋
● Green	L20SA32H⌊⌊⌊⌋
● Yellow	L20SA34H⌊⌊⌊⌋
○ Colourless	L20SA33H⌊⌊⌊⌋
● Blue	L20SA36H⌊⌊⌊⌋

Catalogue No. in bold: normally in stock at distribution outlets

Block holder clips for assembly as you require

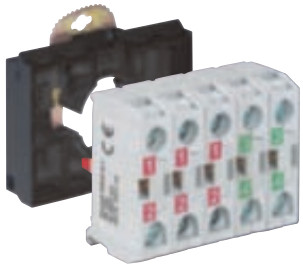
1, 3 or 5-position clips

► CLIP

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

► 3 BLOCKS

► 5 BLOCKS



► MODULAR

Stacking without accessories

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

► BLOCK

"Imaginatively designed to be safe, robust and durable"

► MATERIAL

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

► ENVIRONMENT

- Respect for the environment, RoHS compliant

RoHS COMPLIANT

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

Separate units: Blocks sub-assemblies

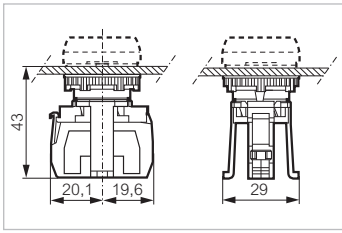
IP 20
Clip and electrical blocks assembled
To be combined with a head (p. 21)
Mounting (p. 92)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► CONTACT BLOCKS - FOR NON ILLUMINATED HEADS

SCREW TERMINALS — 1 position clip

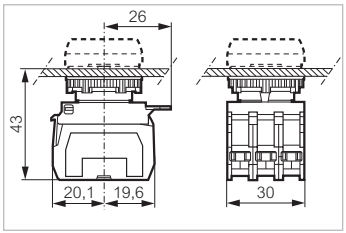
331E10

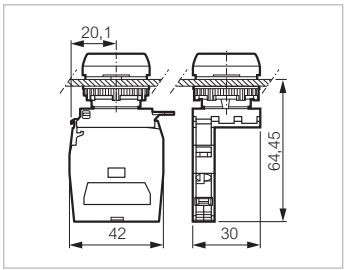


		Cat. No.
NO	13 14	**331E10**
NC	21 22	**331E01**

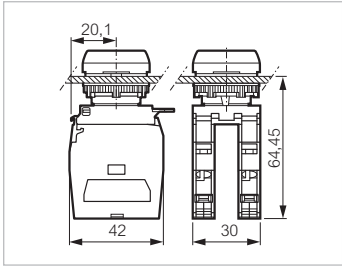
SCREW TERMINALS — 3 position clip

333E21





NO/NC



2 NO/NC

				Cat. No.
NO	13 14			**333E10**
NC			21 22	**333E01**
2 NO	13 14		23 24	**333E20**
2 NC	11 12		21 22	**333E02**
NO + NC	13 14		21 22	**333E11**
3 NO	13 14	33 34	23 24	333E30
3 NC	11 12	31 32	21 22	**333E03**
2 NO + NC	13 14	33 34	21 22	**333E21**
NO + 2 NC	13 14	31 32	21 22	**333E12**
NO/NC	12 11 / 14 13			334E11
2 NO/NC	12 11 / 14 13		22 21 / 24 23	334E22

Separate units: Blocks sub-assemblies

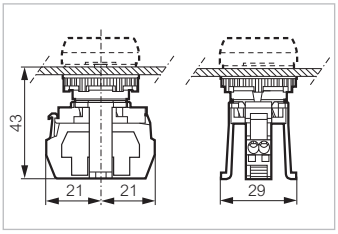
IP 20
Clip and electrical blocks assembled
To be combined with a head (p. 21)
Mounting (p. 92)
Conform to IEC 60947-5-1

Characteristics (p. 94)

▶ CONTACT BLOCKS - FOR NON ILLUMINATED HEADS (CONTINUED)

PLUG-IN TERMINALS — **1 position clip** — Cat. No.

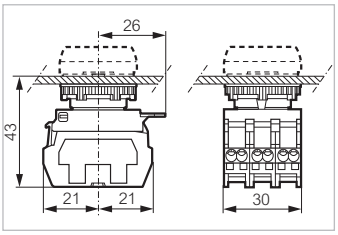
331ER01



NO	13 14	**331ER10**
NC	21 22	**331ER01**

PLUG-IN TERMINALS — **3 position clip**

333ER11



NO	13 14			333ER10
NC			21 22	**333ER01**
2 NO	13 14		23 24	**333ER20**
2 NC	11 12		21 22	**333ER02**
NO+NC	13 14		21 22	**333ER11**
3 NO	13 14	33 34	23 24	333ER30
3 NC	11 12	31 32	21 22	333ER03

Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks sub-assemblies

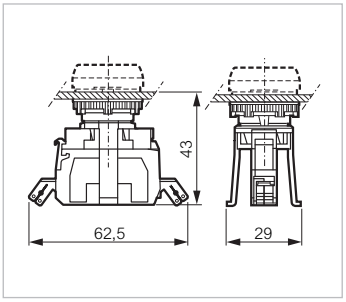
IP 20
Clip and electrical blocks assembled
To be combined with a head (p. 21)
Mounting (p. 92)
Conform to IEC 60947-5-1

Characteristics (p. 94)

► CONTACT BLOCKS - FOR NON ILLUMINATED HEADS (CONTINUED)

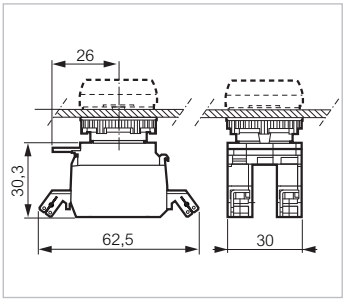
FASTON TERMINALS	1 position clip		Cat. No.
	NO	13 14	**331ED10**
	NC	21 22	**331ED01**

331ED10



FASTON TERMINALS	3 position clip			Cat. No.
	NO + NC	13 14	21 22	333ED11

333ED11



Separate units: Blocks sub-assemblies

IP 20
Clip and electrical blocks assembled
To be combined with a head (p. 21)
Mounting (p. 92)
Conform to IEC 60947-5-1

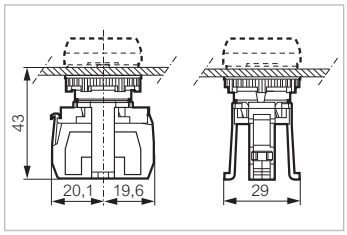
Characteristics (p. 94)

ELECTRICAL BLOCKS - FOR ILLUMINATED HEADS

SCREW TERMINALS

1 position clip: LED block

331EAGL



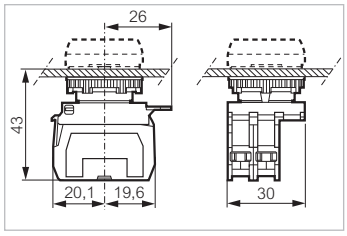
LED

	Cat. No.
24 V	
White	331EAWL
Red	331EARL
Green	331EAGL
Blue	331EABL
Yellow	331EAYL
130 V	
White	331EAWM
Red	331EARM
Green	331EAGM
Blue	331EABM
Yellow	331EAYM
230 V	
White	331EAWH
Red	331EARH
Green	331EAGH
Blue	331EABH
Yellow	331EAYH

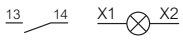
SCREW TERMINALS

3 position clip: NO + LED block

333EAWM10



LED



24 V	
White	**333EAWL10**
Red	**333EARL10**
Green	**333EAGL10**
Blue	333EABL10
Yellow	333EAYL10
130 V	
White	333EAWM10
Red	333EARM10
Green	333EAGM10
Blue	333EABM10
Yellow	333EAYM10
230 V	
White	**333EAWH10**
Red	**333EARH10**
Green	**333EAGH10**
Blue	333EABH10
Yellow	333EAYH10

Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks sub-assemblies

IP 20
Clip and electrical blocks assembled
To be combined with a head (p. 21)
Mounting (p. 92)
Conform to IEC 60947-5-1

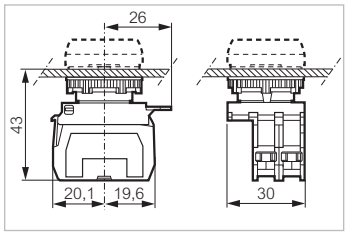
Characteristics (p. 94)

ELECTRICAL BLOCKS - FOR ILLUMINATED HEADS (CONTINUED)

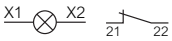
SCREW TERMINALS

3 position clip: LED block + NC

333EAWL01



LED

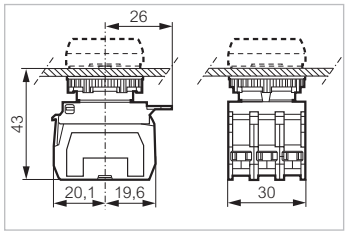


	Cat. No.
24 V	
White	333EAWL01
Red	333EARL01
Green	333EAGL01
Blue	333EABL01
Yellow	333EAYL01
130 V	
White	333EAWM01
Red	333EARM01
Green	333EAGM01
Blue	333EABM01
Yellow	333EAYM01
230 V	
White	333EAWH01
Red	333EARH01
Green	333EAGH01
Blue	333EABH01
Yellow	333EAYH01

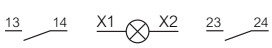
SCREW TERMINALS

3 position clip: NO + LED block + NO

333EARL20



LED



	Cat. No.
24 V	
White	**333EAWL20**
Red	**333EARL20**
Green	**333EAGL20**
Blue	333EABL20
Yellow	333EAYL20
130 V	
White	333EAWM20
Red	333EARM20
Green	333EAGM20
Blue	333EABM20
Yellow	333EAYM20
230 V	
White	**333EAWH20**
Red	**333EARH20**
Green	**333EAGH20**
Blue	333EABH20
Yellow	333EAYH20

Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks sub-assemblies

IP 20
Clip and electrical blocks assembled
To be combined with a head (p. 21)
Mounting (p. 92)
Conform to IEC 60947-5-1

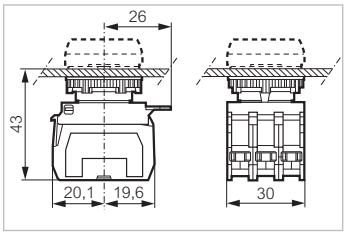
Characteristics (p. 94)

ELECTRICAL BLOCKS - FOR ILLUMINATED HEADS (CONTINUED)

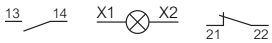
SCREW TERMINALS

3 position clip: NO + LED block + NC

333EARL11



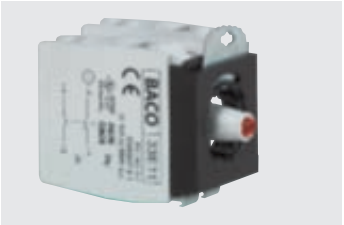
LED



	Cat. No.
24 V	
○ White	**333EAWL11**
● Red	**333EARL11**
● Green	**333EAGL11**
● Blue	333EABL11
● Yellow	333EAYL11
130 V	
○ White	333EAWM11
● Red	333EARM11
● Green	333EAGM11
● Blue	333EABM11
● Yellow	333EAYM11
230 V	
○ White	**333EAWH11**
● Red	**333EARH11**
● Green	**333EAGH11**
● Blue	333EABH11
● Yellow	333EAYH11

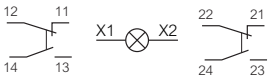
SCREW TERMINALS

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

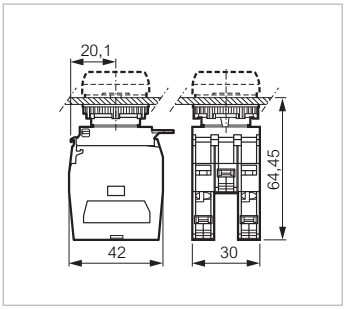


334EARL22

LED



	Cat. No.
24 V	
○ White	**334EAWL22**
● Red	**334EARL22**
● Green	**334EAGL22**
● Blue	**334EABL22**
● Yellow	**334EAYL22**
130 V	
○ White	**334EAWM22**
● Red	**334EARM22**
● Green	**334EAGM22**
● Blue	**334EABM22**
● Yellow	**334EAYM22**
230 V	
○ White	**334EAWH22**
● Red	**334EARH22**
● Green	**334EAGH22**
● Blue	**334EABH22**
● Yellow	**334EAYH22**



Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks sub-assemblies

IP 20
Clip and electrical blocks assembled
To be combined with a head (p. 21)
Mounting (p. 92)
Conform to IEC 60947-5-1

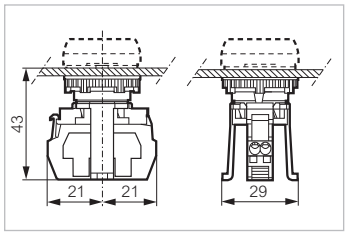
Characteristics (p. 94)

ELECTRICAL BLOCKS - FOR ILLUMINATED HEADS (CONTINUED)

PLUG-IN TERMINALS

1 position clip: LED block

331ERAGH



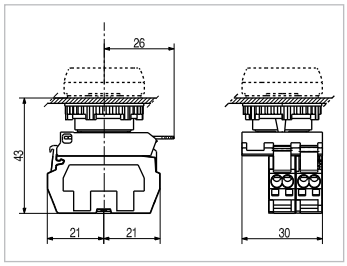
LED

	Cat. No.
24 V	
White	**331ERAWL**
Red	**331ERARL**
Green	**331ERAGL**
Blue	**331ERABL**
Yellow	**331ERAYL**
130 V	
White	**331ERAWM**
Red	**331ERARM**
Green	**331ERAGM**
Blue	**331ERABM**
Yellow	**331ERAYM**
230 V	
White	**331ERAWH**
Red	**331ERARH**
Green	**331ERAGH**
Blue	**331ERABH**
Yellow	**331ERAYH**

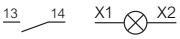
PLUG-IN TERMINALS

3 position clip: NO + LED block

333ERAGL10



LED



24 V	
White	333ERAWL10
Red	333ERARL10
Green	333ERAGL10
Blue	333ERABL10
Yellow	333ERAYL10
130 V	
White	333ERAWM10
Red	333ERARM10
Green	333ERAGM10
Blue	333ERABM10
Yellow	333ERAYM10
230 V	
White	333ERAWH10
Red	333ERARH10
Green	333ERAGH10
Blue	333ERABH10
Yellow	333ERAYH10

Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks sub-assemblies

IP 20
Clip and electrical blocks assembled
To be combined with a head (p. 21)
Mounting (p. 92)
Conform to IEC 60947-5-1

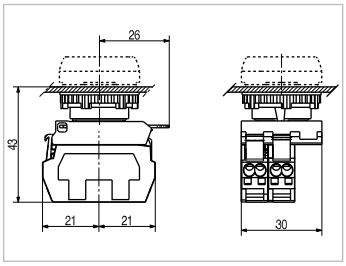
Characteristics (p. 94)

ELECTRICAL BLOCKS - FOR ILLUMINATED HEADS (CONTINUED)

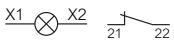
PLUG-IN TERMINALS

3 position clip: LED block + NC

333ERAGH01



LED

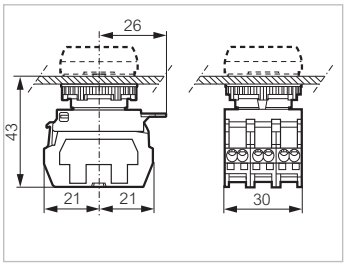


	Cat. No.
24 V	
White	333ERAWL01
Red	333ERARL01
Green	333ERAGL01
Blue	333ERABL01
Yellow	333ERAYL01
130 V	
White	333ERAWM01
Red	333ERARM01
Green	333ERAGM01
Blue	333ERABM01
Yellow	333ERAYM01
230 V	
White	333ERAWH01
Red	333ERARH01
Green	333ERAGH01
Blue	333ERABH01
Yellow	333ERAYH01

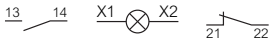
PLUG-IN TERMINALS

3 position clip: NO + LED block + NC

333ERAGH11



LED



	Cat. No.
24 V	
White	333ERAWL11
Red	333ERARL11
Green	333ERAGL11
Blue	333ERABL11
Yellow	333ERAYL11
130 V	
White	333ERAWM11
Red	333ERARM11
Green	333ERAGM11
Blue	333ERABM11
Yellow	333ERAYM11
230 V	
White	333ERAWH11
Red	333ERARH11
Green	333ERAGH11
Blue	333ERABH11
Yellow	333ERAYH11

Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks sub-assemblies

IP 20
Clip and electrical blocks assembled
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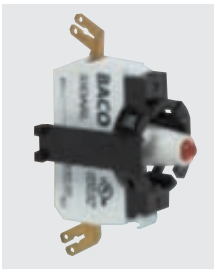
Mounting (p. 92)
Conform to IEC 60947-5-1

Characteristics (p. 94)

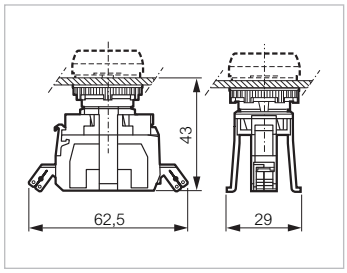
ELECTRICAL BLOCKS - FOR ILLUMINATED HEADS (CONTINUED)

FASTON TERMINALS

1 position clip: LED block



331EDARL

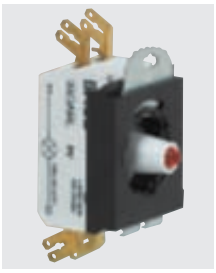


LED

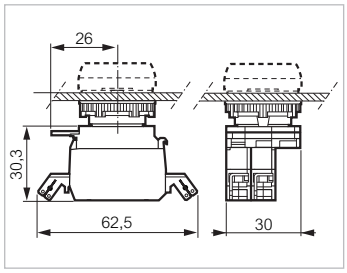
Cat. No.
24 V
○ White 331EDAWL
● Red 331EDARL
● Green 331EDAGL
● Blue 331EDABL
● Yellow 331EDAYL
130 V
○ White 331EDAWM
● Red 331EDARM
● Green 331EDAGM
● Blue 331EDABM
● Yellow 331EDAYM
230 V
○ White 331EDAWH
● Red 331EDARH
● Green 331EDAGH
● Blue 331EDABH
● Yellow 331EDAYH

FASTON TERMINALS

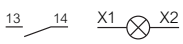
3 position clip: NO + LED block



333EDARL10



LED



Cat. No.
24 V
○ White 333EDAWL10
● Red 333EDARL10
● Green 333EDAGL10
● Blue 333EDABL10
● Yellow 333EDAYL10
130 V
○ White 333EDAWM10
● Red 333EDARM10
● Green 333EDAGM10
● Blue 333EDABM10
● Yellow 333EDAYM10
230 V
○ White 333EDAWH10
● Red 333EDARH10
● Green 333EDAGH10
● Blue 333EDABH10
● Yellow 333EDAYH10

Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks sub-assemblies

IP 20
Clip and electrical blocks assembled
To be combined with a head (p. 21)
Mounting (p. 92)
Conform to IEC 60947-5-1

Characteristics (p. 94)

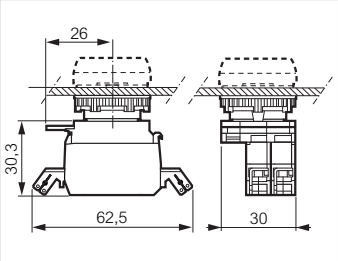
ELECTRICAL BLOCKS - FOR ILLUMINATED HEADS (CONTINUED)

FASTON TERMINALS

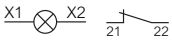
3 position clip: LED block + NC

Cat. No.

333EDARM01



LED



24 V

○ White	333EDAWL01
● Red	333EDARL01
● Green	333EDAGL01
● Blue	333EDABL01
● Yellow	333EDAYL01

130 V

○ White	333EDAWM01
● Red	333EDARM01
● Green	333EDAGM01
● Blue	333EDABM01
● Yellow	333EDAYM01

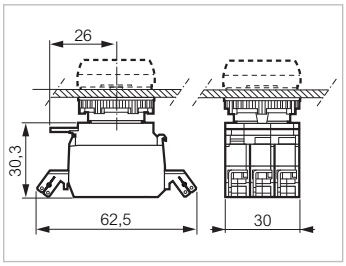
230 V

○ White	333EDAWH01
● Red	333EDARH01
● Green	333EDAGH01
● Blue	333EDABH01
● Yellow	333EDAYH01

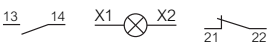
FASTON TERMINALS

3 position clip: NO + LED block + NC

333EDARL11



LED



24 V

○ White	333EDAWL11
● Red	333EDARL11
● Green	333EDAGL11
● Blue	333EDABL11
● Yellow	333EDAYL11

130 V

○ White	333EDAWM11
● Red	333EDARM11
● Green	333EDAGM11
● Blue	333EDABM11
● Yellow	333EDAYM11

230 V

○ White	333EDAWH11
● Red	333EDARH11
● Green	333EDAGH11
● Blue	333EDABH11
● Yellow	333EDAYH11

Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks

IP 20
To be combined with a 1, 3 or 5 position clip (p. 65)

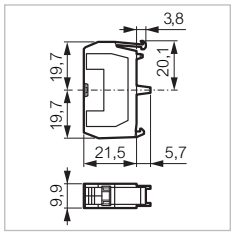
Characteristics (p. 94)

► CONTACT BLOCKS

SCREW TERMINALS

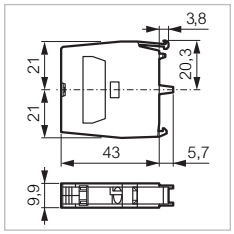
Cat. No.

33E10



NO	3 4	**33E10**
NC	1 2	**33E01**
NO/NC	2 1 4 3	**33E11**

33E11



Golden contacts
for low current

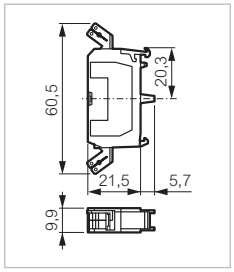
NO	3 4	**33E10Y7**
NC	1 2	**33E01Y7**

Contact with delayed opening

NC	5 6	**33E01C**

FASTON TERMINALS

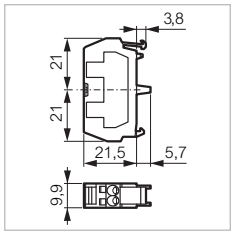
33D01



NO	3 4	**33D10**
NC	1 2	**33D01**

PLUG-IN TERMINALS

33R01



NO	3 4	**33R10**
NC	1 2	**33R01**

Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks

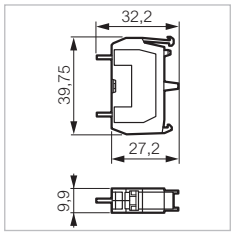
IP 20
To be combined with a 1, 3 or 5 position clip (p. 65)

Characteristics (p. 94)

▶ CONTACT BLOCKS (CONTINUED)

FOR PCB (PIN-STYLE TERMINALS)

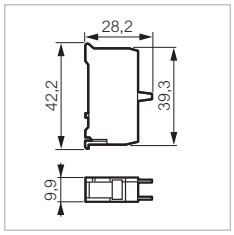
33P10



		Cat. No.
NO	3 4	**33P10**
NC	1 2	**33P01**
Golden contacts for low current		
NO	3 4	**33P10Y7**
NC	1 2	**33P01Y7**

FOR CONTROL STATIONS (SCREW TERMINALS)

33S01



For un-equipped control stations (p. 86)
Base mounted

NO	3 4	**33S10**
NC	1 2	**33S01**

Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks

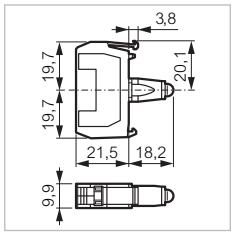
IP 20
To be combined with a 1, 3 or 5 position clip (p. 65)

Characteristics (p. 94)

▶ LED BLOCKS

SCREW TERMINALS

33EARL



LED

	Cat. No.
24 V	
○ White	**33EAWL**
● Red	**33EARL**
● Green	**33EAGL**
● Blue	**33EABL**
● Yellow	**33EAYL**
48 V	
○ White	**33EAWL4**
● Red	**33EARL4**
● Green	**33EAGL4**
● Blue	**33EABL4**
● Yellow	**33EAYL4**
130 V	
○ White	**33EAWM**
● Red	**33EARM**
● Green	**33EAGM**
● Blue	**33EABM**
● Yellow	**33EAYM**
230 V	
○ White	**33EAWH**
● Red	**33EARH**
● Green	**33EAGH**
● Blue	**33EABH**
● Yellow	**33EAYH**

Separate units: Blocks

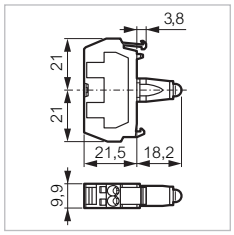
IP 20
To be combined with a 1, 3 or 5 position clip (p. 65)

Characteristics (p. 94)

▶ LED BLOCKS (CONTINUED)

PLUG-IN TERMINALS

33RAGH

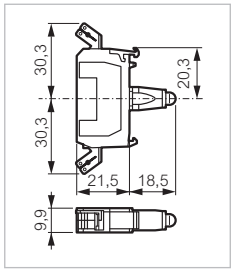


LED

	Cat. No.
24 V	
○ White	**33RAWL**
● Red	**33RARL**
● Green	**33RAGL**
● Blue	**33RABL**
● Yellow	**33RAYL**
130 V	
○ White	**33RAWM**
● Red	**33RARM**
● Green	**33RAGM**
● Blue	**33RABM**
● Yellow	**33RAYM**
230 V	
○ White	**33RAWH**
● Red	**33RARH**
● Green	**33RAGH**
● Blue	**33RABH**
● Yellow	**33RAYH**

FASTON TERMINALS

33DARL



LED

	Cat. No.
24 V	
○ White	33DAWL
● Red	33DARL
● Green	33DAGL
● Blue	33DABL
● Yellow	33DAYL
130 V	
○ White	33DAWM
● Red	33DARM
● Green	33DAGM
● Blue	33DABM
● Yellow	33DAYM
230 V	
○ White	33DAWH
● Red	33DARH
● Green	33DAGH
● Blue	33DABH
● Yellow	33DAYH

Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks

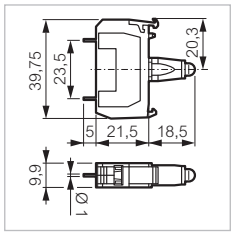
IP 20
To be combined with a 1, 3 or 5 position clip (p. 65)

Characteristics (p. 94)

▶ LED BLOCKS (CONTINUED)

FOR PCB (PIN STYLE)

33PAWL

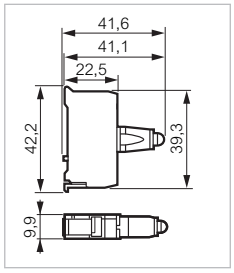


LED

	Cat. No.
24 V	
○ White	**33PAWL**
● Red	**33PARL**
● Green	**33PAGL**
● Blue	**33PABL**
● Yellow	**33PAYL**

FOR CONTROL STATIONS (SCREW TERMINALS)

33SAGH



For un-equipped control stations (p. 86)
Base mounted

LED

24 V	
○ White	**33SAWL**
● Red	**33SARL**
● Green	**33SAGL**
● Blue	**33SABL**
● Yellow	**33SAYL**
130 V	
○ White	**33SAWM**
● Red	**33SARM**
● Green	**33SAGM**
● Blue	**33SABM**
● Yellow	**33SAYM**
230 V	
○ White	**33SAWH**
● Red	**33SARH**
● Green	**33SAGH**
● Blue	**33SABH**
● Yellow	**33SAYH**

Separate units: Blocks

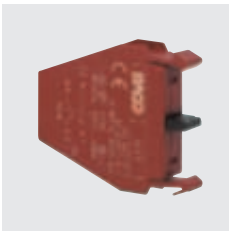
IP 20
To be combined with a 1, 3 or 5 position clip (p. 65)

Characteristics (p. 94)

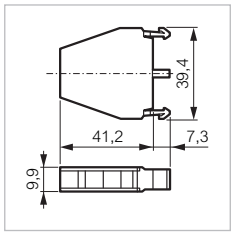
▶ SPECIFIC BLOCKS

FOR JOYSTICKS (SCREW TERMINALS)

Cat. No.



LM11



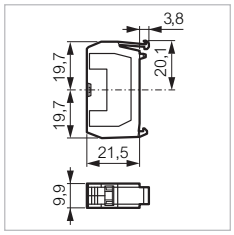
Joysticks (p. 36)

NO -NC

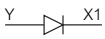
LM11

LAMP-TEST BLOCKS (SCREW TERMINALS)

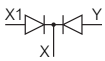
33ET



For 24 and 48 V

1 diod 

33ET

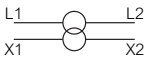
2 diods 

33ETT

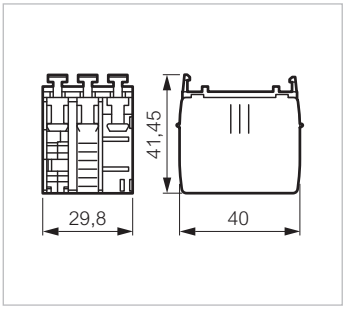
For 130 and 230 V (form p. 79)

TRANSFORMER BLOCKS (SCREW TERMINALS)

33EHC

230/24 V
400/24V 

33EHC
33ELC



Catalogue No. in bold: normally in stock at distribution outlets

Separate units: Blocks

IP 20
To be combined with a 1, 3 or 5 position clip (p. 65)

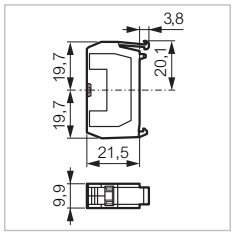
Characteristics (p. 94)

SPECIFIC BLOCKS

FILTER BLOCKS (SCREW TERMINALS)

Cat. No.

33EFH

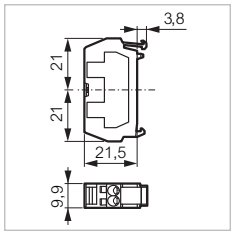


Prevents from voltage peaks for LED block
To be wired in parallel of with the LED block

130 V	X1 — X2	**33EFM**
230 V		**33EFH**

FILTER BLOCKS (PLUG-IN TERMINALS)

33RFH

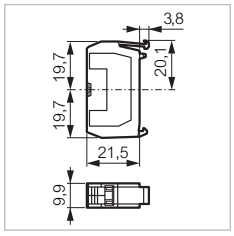


Prevents from voltage peaks for LED block
To be wired in parallel of the LED block

130 V	X1 — X2	**33RFM**
230 V		**33RFH**

JUNCTION BLOCK (SCREW TERMINALS)

33EY

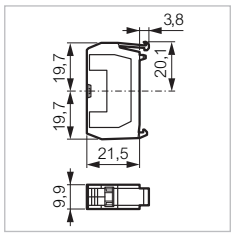


2 interconnected terminals X1 — X2

33EY

EMPTY BLOCK

33EX



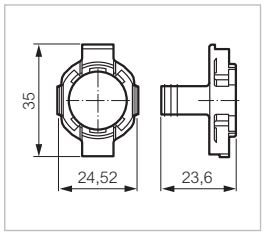
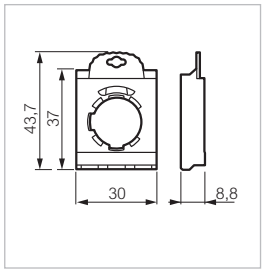
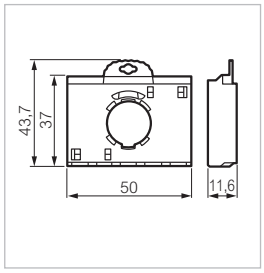
For empty positions on 3 or 5 position clip

33EX

Accessories

Characteristics (p. 94)

CLIPS

CLIPS	Cat. No.
331E 	To be combined with blocks (p. 58 to 64) 1 position	**331E**
333E 	3 positions	**333E**
335E 	5 positions (only for ø 22 heads)	**335E**

ROUND LEGEND PLATE

FOR MUSHROOM HEAD	Cat. No.
LWE16300	Yellow, black engraving
ø 60	
ARRET D'URGENCE	**LWE16100**
NOT AUS	**LWE16200**
EMERGENCY STOP	**LWE16300**
ø 80	
ARRET D'URGENCE	**LWE00100**
NOT AUS	**LWE00200**
EMERGENCY STOP	**LWE00300**
Other languages (form p. 79)	

Catalogue No. in bold: normally in stock at distribution outlets

Accessories ø 22

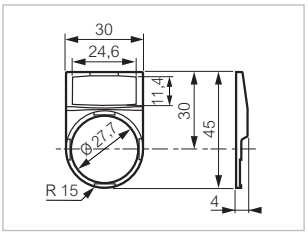
Characteristics (p. 94)

COMPLETE FRAMES

Standard model - 30 x 45 mm

Cat. No.

LWP31



Round shape
Black frame and legend plate unassembled
2 lines maximum, 13 characters per line

Without engraving

○ White	**LWP35**
● Red	**LWP31**
● Alu	**LWP39**
● Black	**LWP33**

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

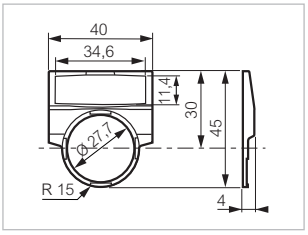
○ White	LWP35⌊⌋⌊⌋⌊⌋
● Red	LWP31⌊⌋⌊⌋⌊⌋
● Alu	LWP39⌊⌋⌊⌋⌊⌋
● Black	LWP33⌊⌋⌊⌋⌊⌋

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

○ White	**LWG35**
● Red	**LWG31**
● Alu	**LWG39**
● Black	**LWG33**

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

○ White	LWG35⌊⌋⌊⌋⌊⌋
● Red	LWG31⌊⌋⌊⌋⌊⌋
● Alu	LWG39⌊⌋⌊⌋⌊⌋
● Black	LWG33⌊⌋⌊⌋⌊⌋

Protective mask for legend plate (paper or other ...)

○ Transparent	**LWG37**

Accessories ø 22

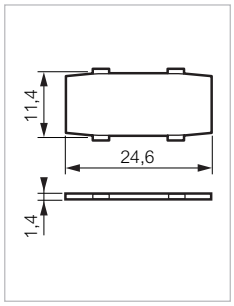
Characteristics (p. 94)

LEGEND PLATES

TO BE ENGRAVED — Standard model

LIA5

LIA1



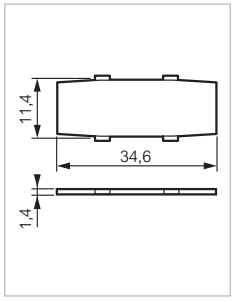
2 lines maximum
13 characters per line
For round and square frames cat. nos. LWP3, LWP4 et LWP2 (p. 69)

	Cat. No.
Without engraving	
○ White	**LIA5**
● Red	**LIA1**
● Alu	**LIA9**
● Black	**LIA3**
On demand engraving (p. 70)	
Symbol code to be added at the end of the catalogue number	
○ White - black engraving	LIA5⌊⌊⌊
● Red - white engraving	LIA1⌊⌊⌊
● Alu - black engraving	LIA9⌊⌊⌊
● Black - white engraving	LIA3⌊⌊⌊
Protective mask for legend plate (paper or other ...)	
○ Transparent	**LIA7**

TO BE ENGRAVED — Large model

LIB9

LIB3



2 lines maximum
18 characters per line
For round frame cat. no. LWG3 (p. 69)

	Cat. No.
Without engraving	
○ White	**LIB5**
● Red	**LIB1**
● Alu	**LIB9**
● Black	**LIB3**
On demand engraving (p. 70)	
Symbol code to be added at the end of the catalogue number	
○ White - black engraving	LIB5⌊⌊⌊
● Red - white engraving	LIB1⌊⌊⌊
● Alu - black engraving	LIB9⌊⌊⌊
● Black - white engraving	LIB3⌊⌊⌊
Protective mask for legend plate (paper or other ...)	
○ Transparent	**LIB7**

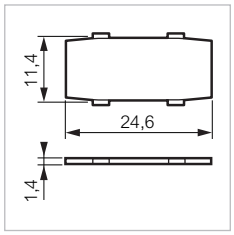
Accessories ø 22

Characteristics (p. 94)

► LEGEND PLATES

ENGRAVED — Small model

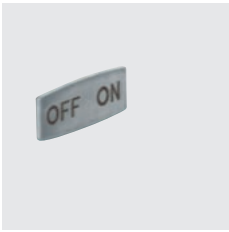
LIA9081



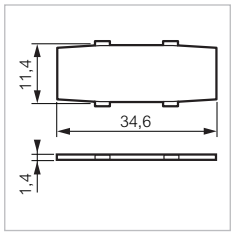
Alu legend plate, black engraving
For round and square frames cat. nos. LWP3, LWP4 et LWP2 (p. 69)

	Cat. No.
With standard engraving	
O-I	**LIA9081**
I-II	**LIA9082**
I-O-II	**LIA9091**
MANU-O-AUTO	**LIA9191**
HAND-O-AUTO	**LIA9291**
START	**LIA9301**
ON	**LIA9303**
OFF	**LIA9304**
RESET	**LIA9315**
RUN	**LIA9327**
HAND-AUTO	**LIA9383**
On demand engraving (p. 70)	
Symbol code to be added at the end of the catalogue number	LIA9⌊⌊⌊⌋

ENGRAVED — Large model



LIB9382



Alu legend plate, black engraving
For round frame cat. no. LWG3 (p. 69)

OFF-ON	**LIB9382**
O-I-START	**LIB9093**

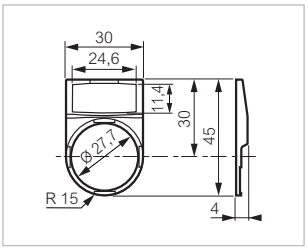
Accessories ø 22

Characteristics (p. 94)

FRAMES

ROUND	Standard model	Cat. No.

LWP3

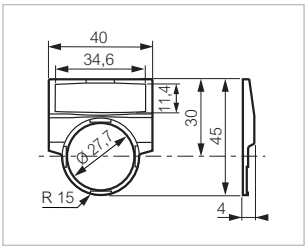


For legend plates cat. nos. LIA5, LIA1, LIA 9, LIA 3 (p. 67)

● Black **LWP3**

ROUND	Large model

LWG3

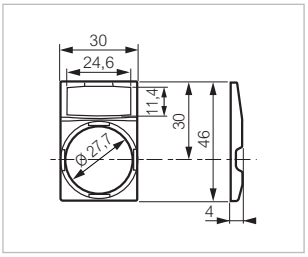


For legend plates cat. nos. LIB5, LIB1, LIB 9, LIB 3 (p. 67)

● Black **LWG3**

SQUARE	Standard model

LWP4

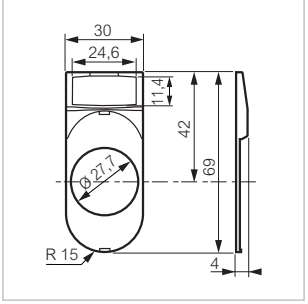


For legend plates cat. nos. LIA5, LIA1, LIA 9, LIA 3 (p. 67)

● Black **LWP4**

FOR DOUBLE AND TRIPLE TOUCH	Standard model

LWP2



For legend plates cat. nos. LIA5, LIA1, LIA 9, LIA 3 (p. 67)

● Black **LWP2**

Catalogue No. in bold: normally in stock at distribution outlets

Engravings

Symbol code to be added at the end of the catalogue number

STANDARD TEXTS

UNIVERSAL TEXT

	Cat. No.
For selector switches and legend plates	
0-I	081
I-II	082
I-0-II	091
I-II-III	092
0-I-START	093
0-I-II	094

ENGLISH TEXT

For buttons, pilot lights and legend plates	
CLOSE	314
DOWN	336
FAST	310
FORWARD	305
INCH	329
JOG	328
LEFT	311
LOWER	308
OFF	304
ON	303
OPEN	313
POWER-ON	330
RAISE	307
RESET	315
REVERSE	306
RIGHT	312
RUN	327
SLOW	309
START	301
STOP	302
UP	335
For selector switches and legend plates	
FORW.-OFF-REV.	392
HAND-AUTO	383
HAND-OFF-AUTO	391
LOCAL-OFF-REMOTE	393
OFF-ON	382
STOP-START	381

Engravings

Symbol code to be added at the end of the catalogue number

► STANDARD TEXTS (CONTINUED)

GERMAN TEXT

	Cat. No.
For buttons, pilot lights and legend plates	
AB	208
AUF	207
AUS	204
BETRIEB	224
BREMSEN	225
EIN	203
EINRICHTEN	223
FEINHEBEN	221
FEINSENKEN	222
HALT	202
HEBEN	219
LANGSAM	209
LINKS	211
RECHTS	212
RÜCKWÄRTS	206
SENKEN	220
SCHNELL	210
VORWÄRTS	205
VORRÜCKEN	226
ZU	214
For selector switches and legend plates	
AUS-EIN	281
HAND-AUTO	283
HAND-0-AUTO	291
ZURÜCK-0-VOR	292

FRENCH TEXT

For buttons, pilot lights and legend plates	
ALARME	133
ARRÊT	102
ARRÊT GÉNÉRAL	116
ARRIÈRE	106
AVANT	105
DÉCLENCHEMENT	131
DÉFAUT	132
DESCENTE	108
DROITE	112
EN SERVICE	103
FERMETURE	114
GAUCHE	111
HORS SERVICE	104
KLAXON	118
LENT	109
MARCHE	101
MONTÉE	107
OUVERTURE	113
RÉARMEMENT	115
SOUS TENSION	117
VITE	110
For selector switches and legend plates	
ARRÊT-MARCHE	181
AVANT -0- ARRIÈRE	192
C.P.C.-NORMAL	184
HORS-EN	182
MANU-AUTO	183
MANU -0- AUTO	191

Symbols

Symbol code to be added at the end of the catalogue number

STANDARD SYMBOLS ISO/DIN

Description	Symbol	Cat. No.
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

Symbols

Symbol code to be added at the end of the catalogue number

STANDARD SYMBOLS ISO/DIN (CONTINUED)

Description	Symbol	Cat. No.
De-clutch ISO 75 - DIN 45		A75
Warning “live” (energized) ISO 92 - DIN 131		A92
Main switch ISO 94		A94
Lubrification 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

Symbol	Cat. No.
	B01
	E01
	F01
	B62
	E62
	F62
	003
	004
	005

Catalogue No. in bold: normally in stock at distribution outlets

Accessories ø 22

Characteristics (p. 94)

► BUTTON PLATES - FOR HEADS WITHOUT BUTTON PLATE

NON ILLUMINATED

Cat. No.

LT05

For use with spring return button cat. no. L21AA00 (p. 21)

Without engraving

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

LT21302

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

● Red	LT21⌊⌋⌊⌋
● Green	LT22⌊⌋⌊⌋
● Black	LT23⌊⌋⌊⌋
● Yellow	LT24⌊⌋⌊⌋
○ White	LT25⌊⌋⌊⌋
● Blue	LT26⌊⌋⌊⌋

ILLUMINATED

LT20

For use with spring return button cat. no. L21AH00 (p. 37)

Without engraving

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

LT34308

On demand engraving (p. 70)
Symbol code to be added at the end of the catalogue number

● Red	LT31⌊⌋⌊⌋
● Green	LT32⌊⌋⌊⌋
● Yellow	LT34⌊⌋⌊⌋
○ White	LT35⌊⌋⌊⌋
● Blue	LT36⌊⌋⌊⌋

Accessories ø 22

Characteristics (p. 94)

► SHROUDS - REINFORCED DEGREE OF PROTECTION: IP 67

FOR PUSH-BUTTONS PROJECTING

Cat. No.

LWA0203

For spring return or stay-put buttons

○ Transparent **LWA0228**

For non illuminated spring return buttons

● Red opaque **LWA0203**
● Green opaque **LWA0204**
● Black opaque **LWA0205**

FOR PUSH-BUTTONS FLUSH

LWA0253

For spring return or stay-put buttons

○ Transparent **LWA0255**

For non illuminated spring return buttons

● Red opaque **LWA0251**
● Green opaque **LWA0252**
● Black opaque **LWA0253**

DOUBLE TOUCH

LWA0223

For double touch flush-projecting and triple touch

○ Transparent **LWA0223**

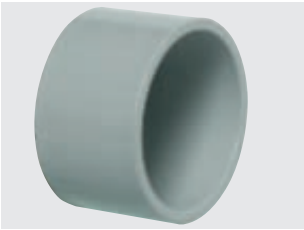
Accessories ø 22

Characteristics (p. 94)

MISCELLANEOUS

GUARD

Cat. No.



LWA0225

For spring return button and spring return mushroom head (maxi ø 40)

● Grey **LWA0225**

PADLOCKABLE GUARD

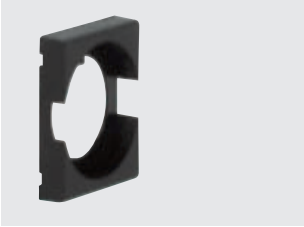
LWA0240

For stay-put mushroom head

● Yellow

High (Height: 40 mm) **LWA0240**

SQUARE FRAME

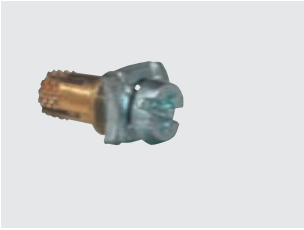


LWA0230

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

● Black **LWA0230**

RELAY TERMINAL (EARTH OR NEUTRAL)



LWA0216

For control station
Base mounted LWA0216

Accessories ø 22

Characteristics (p. 94)

MISCELLANEOUS (CONTINUED)

BULBS

Cat. No.

LWDN230

For one-piece pilot light with direct supply
Bulb BA9S (see p. 45)

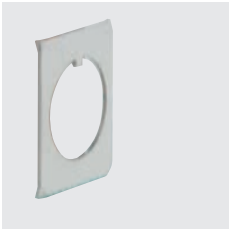
Neon 230 V
For red, yellow, white pilot light — **LWDN230**

BULB EXTRACTOR

LWA0201

For BA9S bulbs — **LWA0201**

ANTI-ROTATION RING



LWA0237

For selector switches — **LWA0237**

BLANKING PLUG

LWA0229

- Black — **LWA0229**
- Grey — **LWA0215**

Accessories ø 22

Characteristics (p. 94)

MISCELLANEOUS (CONTINUED)

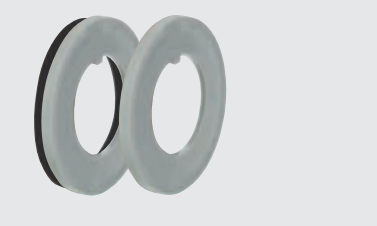
FIXING TOOL

Cat. No.

LWA0234

Fixing tool for locking ring **LWA0234**

REDUCTION RING Ø 30/22

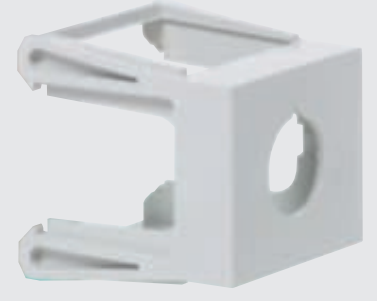


LWA0219

Converts ø 30 mm cut-out to 22 mm hole

- Grey **LWA0219**
- Yellow **LWA0220**

PUSH BUTTON SUPPORT CLIP-ON TO DIN RAIL



LWA0238

For pilot lights, spring return buttons and selector switches **LWA0238**

PADLOCKABLE SHROUD

LWA0226

For spring return push-buttons **LWA0226**

BACO

Request form for specific control and signalling units ø 22

HEAD (fill in one form for each type of product)

Type :

❑ Spring return flush

❑ Spring return super flush

❑ Spring return projecting

❑ Mushroom head spring return

❑ Push-push stay-put
❑ Flush
❑ Projecting

❑ Push-push super flush

❑ Mushroom head push-pull stay-put

❑ Mushroom head push-pull with flag indicator

❑ Mushroom head push-turn stay-put

❑ Mushroom head with key

❑ Selector switch handle

❑ Selector switch with long handle

❑ Selector switch with key
❑ 455
❑ 1424 A
❑ Other .....

❑ Knob selector switch

❑ Double touch
❑ flush-flush
❑ flush-proj.
❑ Triple touche

❑ Mechanical actuator
❑ Flush
❑ Projecting

❑ Pilot light

❑ One-piece pilot light
❑ LED (specify colour, voltage)
❑ Bags

Options :

❑ Illuminated button
❑ EN 418/ISO 13850 emergency stop
❑ IP 67 shroud
❑ Black frame
❑ Guard for buttons
❑ Guard for mushroom heads

Size (mm):

Mushroom head ❑ Ø 32 ❑ Ø 40 ❑ Ø 70

Colour :

❑ Colourless ❑ Green
❑ Black ❑ Red
❑ White ❑ Blue
❑ Yellow

Bezel :

❑ black
❑ matt chromed

ENGRAVINGS

Fill in the grid (see below)

❑ **on head**
- ❑ standard text or symbol
- ❑ other text (2 x 8 characters)

❑ **on legend plate :**
- ❑ standard (2 x 13 characters)
- ❑ large model (2 x 18 characters)

Ground colour:
- ❑ white
- ❑ red
- ❑ alu
- ❑ black

BLOCKS AND CLIPS

Type of block

① NO
② NC
③ NO/NC
④ Transformer
⑤ Filter
⑥ Junction
⑦ Empty
⑧ Lamp-test
⑨ LED

Voltage: ❑ 24 V ❑ 130 V ❑ 230 V

Colour: ❑ red ❑ green ❑ yellow ❑ white ❑ blue

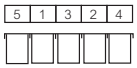
Connection :

❑ Screw
❑ Faston
❑ Plug-in
❑ Pin-Style (for PCB)

Clips :

❑ 1 position

❑ 3 positions

❑ 5 positions 

❑ 6 positions

Options :

❑ Head, block and clip assembled

YOUR DETAILS

Company: .....

.....

.....

Name and surname: .....

.....

Address: .....

.....

.....

E-mail : .....

Tel.: .....

Fax: .....

COMMENTS

ENGRAVING

SELECTOR SWITCHES' SWITCHING ANGLE

❑ ❑ ❑ ❑ ❑ ❑ ❑ ❑ ❑ ❑ ❑

Key free in position : ❑ 0 ❑ 1 ❑ 2 ❑ other (attach diagram)

Control stations

solution boxes

Control stations with mushroom heads
pre-assembled

Control stations with buttons
1, 2 or 3 buttons

► ADVANTAGES

"All types of control station applications can be achieved"

- Multipurpose, pre-equipped with mushroom head or pushbuttons
- Enclosures for custom assembly 1,2,3,4 or 5 holes
- Up to 3 blocks per position
- Innovative design

Enclosures
1, 2, 3, 4 or 5 holes

► SPECIAL REQUEST

Custom assemblies and engraving options

See page 90

Control stations ø 22

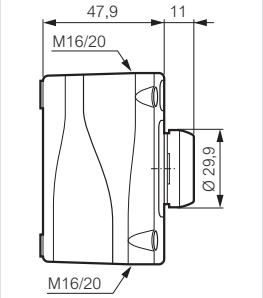
IP 66
Base mounted contact- screw terminals
Conform to IEC 60947-5-1
Marking on control station
Frames and legend plates (p. 66)
Special engraving on enclosure and mounting (form p. 90)

Characteristics (p. 94)

► CONTROL STATIONS WITH 1 BUTTON - NON ILLUMINATED

SPRING RETURN - FLUSH

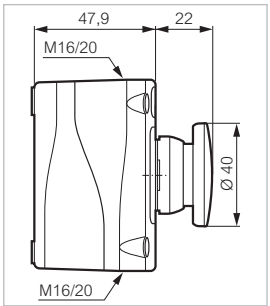
LBX10110



			Marking	Cat. No.
● Green	NO	13 14	Ⓘ	**LBX10110**
● Red	NC	21 22	◎	LBX10610

MUSHROOM HEAD Ø 40 - SPRING RETURN

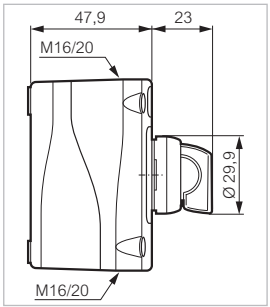
LBX10210



			Marking	
● Red	NC	21 22	◎	**LBX10210**

SELECTOR SWITCH - WITH HANDLE

LBX12510



2 stay-put positions - 45°

			Marking	
● Black	NO	13 14	○ I	**LBX12510**

Control stations ø 22

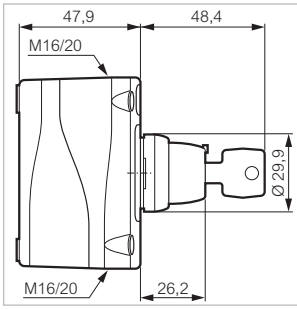
IP66
Base mounted contact- screw terminals
Conform to IEC 60947-5-1
Marking on control station
Frames and legend plates (p. 66)
Special marking and mounting (form p. 90)

Characteristics (p. 94)

► CONTROL STATIONS WITH 1 BUTTON (CONTINUED)

SELECTOR SWITCH - WITH KEY

LBX12610



Supplied with 2 keys profile n° 455

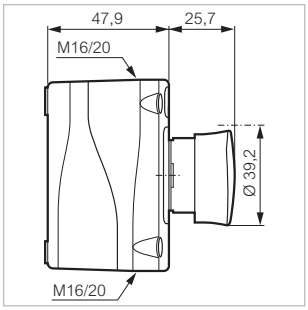
2 stay-put positions - 45°
Key free in position 0-1

			Marking	Cat. No.
● Black	NO	13 14	O I	LBX12610

MUSHROOM HEAD Ø 40 - STAY-PUT

Push-turn to reset

LBX10510



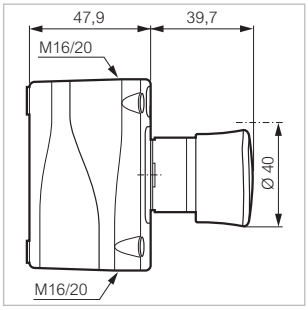
● Red	NC	21 22	ARRÊT D'URGENCE	LBX10310
● Red	NC	21 22	NOT AUS	**LBX10410**
● Red	NC	21 22	EMERGENCY STOP	**LBX10510**

Contact blocks fixed behind cover (form p. 90)

MUSHROOM HEAD Ø 40 EN 418/ISO 13850 - STAY-PUT

Push-turn to reset

LBX17201



Compliant with the requirements of emergency stop:
IEC 60947-5-5 / EN 418/ISO 13850

● Red	NC	21 22	ARRÊT D'URGENCE	LBX17101
● Red	2 NC	11 12 21 22	ARRÊT D'URGENCE	LBX17102
● Red	NC	21 22	NOT AUS	LBX17201
● Red	2 NC	11 12 21 22	NOT AUS	LBX17202
● Red	NC	21 22	EMERGENCY STOP	**LBX17301**
● Red	2 NC	11 12 21 22	EMERGENCY STOP	**LBX17302**

Contact blocks fixed behind cover (form p. 90)

Catalogue No. in bold: normally in stock at distribution outlets

Control stations ø 22

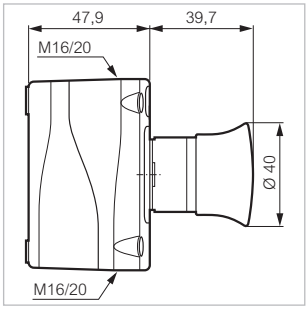
IP 66
Base mounted contact- screw terminals
Conform to IEC 60947-5-1
Marking on control station
Frames and legend plates (p. 66)
Special engraving and mounting (form p. 90)

Characteristics (p. 94)

► CONTROL STATIONS WITH 1 BUTTON (CONTINUED)

MUSHROOM HEAD Ø 40 EN 418/ISO 13850 - STAY-PUT — Push-pull to reset

LBX15101



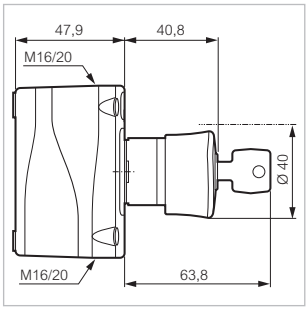
Compliant with the requirements of emergency stop: IEC 60947-5-5 / EN 418/ ISO 13850

● Red	NC	21 22	ARRÊT D'URGENCE	LBX15101
● Red	2 NC	11 12 21 22	ARRÊT D'URGENCE	LBX15102
● Red	NC	21 22	NOT AUS	LBX15201
● Red	2 NC	11 12 21 22	NOT AUS	LBX15202
● Red	NC	21 22	EMERGENCY STOP	**LBX15301**
● Red	2 NC	11 12 21 22	EMERGENCY STOP	**LBX15302**

Contact blocks fixed behind cover (form p. 90)

MUSHROOM HEAD Ø 40 EN 418/ISO 13850 - STAY-PUT — Key to reset

LBX11302



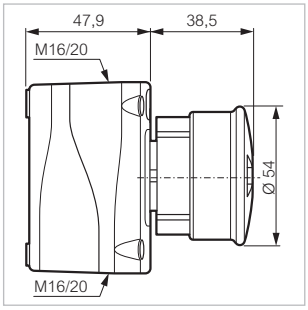
Compliant with the requirements of emergency stop: IEC 60947-5-5 / EN 418/ ISO 13850
Supplied with 2 keys profile n° 455

● Red	NC	21 22	ARRÊT D'URGENCE	LBX11101
● Red	2 NC	11 12 21 22	ARRÊT D'URGENCE	LBX11102
● Red	NC	21 22	NOT AUS	LBX11201
● Red	2 NC	11 12 21 22	NOT AUS	LBX11202
● Red	NC	21 22	EMERGENCY STOP	LBX11301
● Red	2 NC	11 12 21 22	EMERGENCY STOP	LBX11302

Contact blocks fixed behind cover (form p. 90)

MUSHROOM HEAD Ø 54 EN 418/ISO 13850 - STAY-PUT — Push-pull to reset with flag indicator

LBX14201



Compliant with the requirements of emergency stop: IEC 60947-5-5 / EN 418/ ISO 13850
Double position indicator: head and collar

● Red	NC	21 22	STOP - Ⓘ	**LBX14201**
● Red	2 NC	11 12 21 22	STOP - Ⓘ	LBX14202

Contact blocks fixed behind cover (form p. 90)

Catalogue No. in bold: normally in stock at distribution outlets

Control stations ø 22

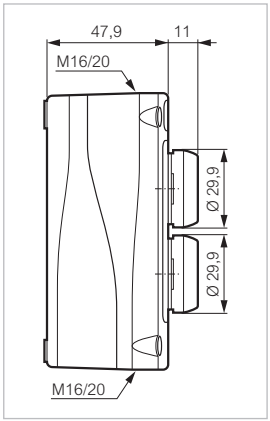
IP 66
Base mounted contact- screw terminals
Conform to IEC 60947-5-1
Marking on control station
Frames and legend plates (p. 66)
Special engraving and mounting (form p. 90)

Characteristics (p. 94)

► CONTROL STATIONS WITH 2 BUTTONS

SPRING RETURN - FLUSH

Cat. No.



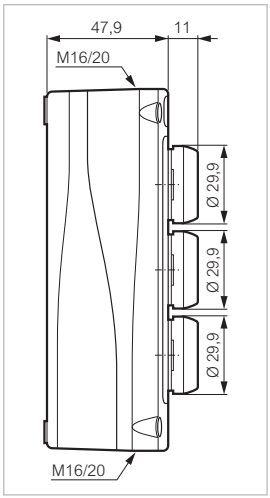
LBX20120

			Marking	
● Green	NO	13 14	I	
● Red	NC	21 22	O	**LBX20120**

► CONTROL STATIONS WITH 3 BUTTONS

SPRING RETURN - FLUSH

Cat. No.



LBX30430

● Green	NO	13 14	↑	
● Red	NC	21 22	O	
● Green	NO	13 14	↓	**LBX30430**

Control stations with 4 or 5 buttons (form p. 90)

Control stations ø 22

Empty enclosures to be equipped with:
- illuminated or non illuminated heads p . 21-45
- specific blocks for control stations (base mounted) p. 62
- frames and legend plates p. 66

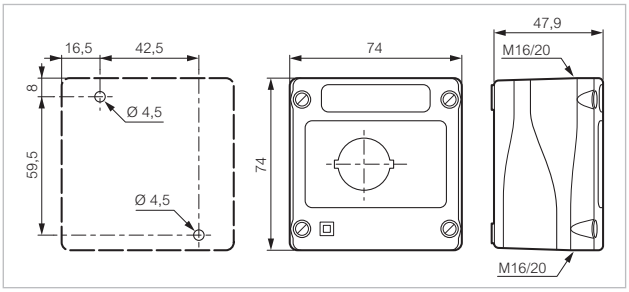
Other control stations to be equipped (form p. 90)

Characteristics (p. 94)

ENCLOSURES

1 HOLE

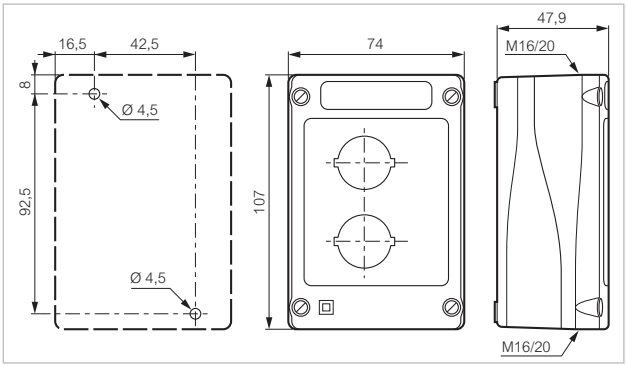
LBX0100J



	Cat. No.
Black base	
● Grey cover	**LBX0100**
● Yellow cover	**LBX0100J**

2 HOLES

LBX0200



	Cat. No.
Black base	
● Grey cover	**LBX0200**
● Yellow cover	LBX0200J

Catalogue No. in bold: normally in stock at distribution outlets

Control stations ø 22

Empty enclosures to be equipped with:
- illuminated or non illuminated heads p . 21-45
- specific blocks for control stations (base mounted) p. 62
- frames and legend plates p. 66

Other enclosures (form p. 90)

Characteristics (p. 94)

ENCLOSURES (CONTINUED)

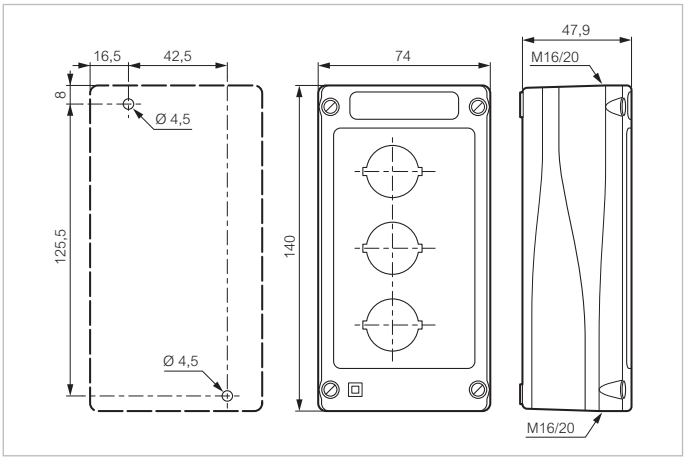
3 HOLES

Cat. No.

LBX0300

Black base

- Grey cover — **LBX0300**



Control stations ø 22

Empty enclosures to be equipped with:
- illuminated or non illuminated heads p . 21-45
- specific blocks for control stations (base mounted) p. 62
- frames and legend plates p. 66

Other enclosures (form p. 90)

Characteristics (p. 94)

ENCLOSURES (CONTINUED)

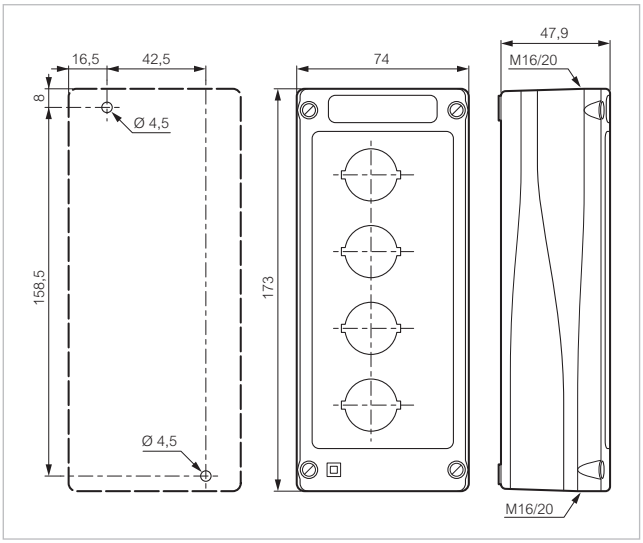
4 HOLES

Cat. No.

LBX0400

Black base

- Grey cover — **LBX0400**



Control stations ø 22

Empty enclosures to be equipped with:
- illuminated or non illuminated heads p . 21-45
- specific blocks for control stations (base mounted) p. 62
- frames and legend plates p. 66

Other enclosures (form p. 90)

Characteristics (p. 94)

ENCLOSURES (CONTINUED)

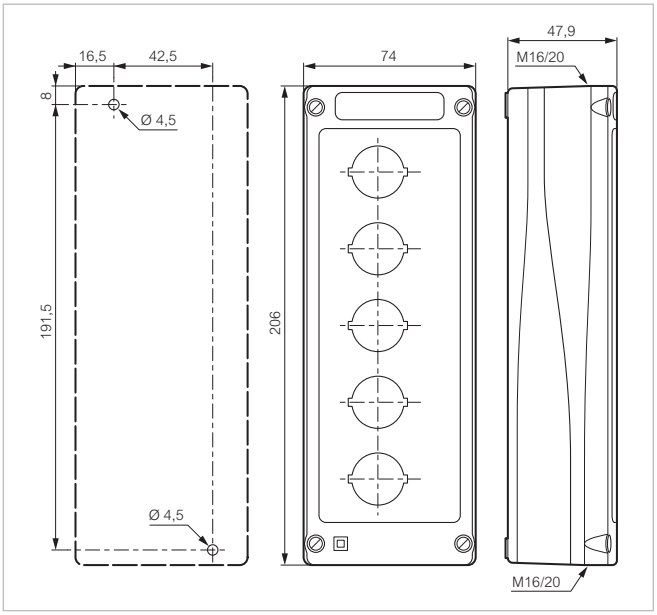
5 HOLES

Cat. No.

LBX0500

Black base

- Grey cover — **LBX0500**



BACO

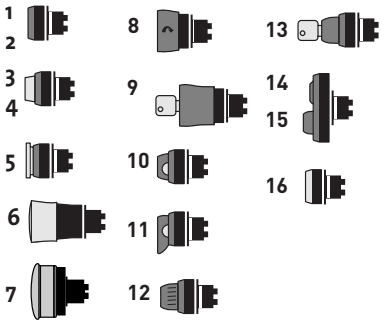
Request form for specific control station ø 22

EQUIPPED CONTROL STATION (fill in one form for each type of product)

Mounting: ❑ horizontal ❑ vertical

Unit type : ❑ 1 hole ❑ 2 holes ❑ 3 holes ❑ 4 holes ❑ 5 holes
❑ yellow cover (only 1 hole)

Choice of head: (write the corresponding number in the table)



1 Spring return flush
2 Push-push stay-put flush
3 Spring return projecting
4 Push-push stay-put projecting
5 Mushroom head spring return
6 Mushroom head push-pull stay-put
7 Mushroom head Ø 54 push- pull with flag indicator
8 Mushroom head push-turn stay-put
9 Mushroom head with key
10 Selector switch with handle
11 Selector switch with long handle
12 Knob selector switch
13 Key selector switch
14 Double touch
15 Triple touch
16 Pilot light

Please fill in the table below

	Heads																Blocks					
			Colour						Bezel											LED Voltage		
	Head no.	Illuminated	Green	Black	Red	White	Blue	Yellow	Black plastic	Matt chromed	Extended	IP 67 shroud	Ø 54	Ø 40	Ø 32	EN 418/ISO 13850	NO	NC	illuminated with LED	24 V	130 V	230 V

❑ Earth terminal ❑ Contact fixed behind the cover

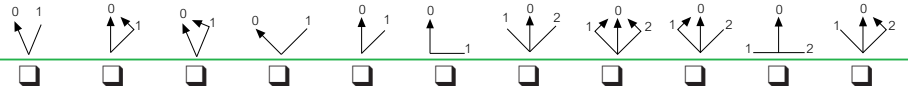
Marking:

❑ Function Max. 14 characters on 1 line

	❑ On head	❑ On control station(1)	❑ On legend plate(2)	Colour Black	Red	Alu	White

(1) 3 characters on 3 lines for vertical marking and max. 13 characters on 2 lines for horizontal marking
(2) max. 2 lines of 6 characters

SELECTOR SWITCHES' SWITCHING ANGLE



❑ ❑ ❑ ❑ ❑ ❑ ❑ ❑ ❑ ❑ ❑

Key free in position : ❑ 0 ❑ 1 ❑ 2 ❑ other (attach diagram)

Specify the concerned buttons: .....

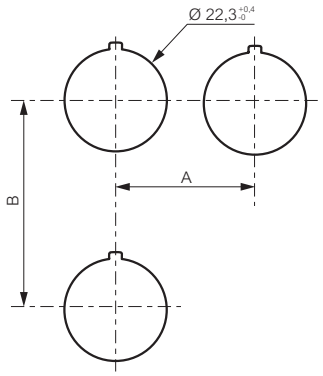
YOUR DETAILS

Company: .....
.....
.....
Name and surname: .....
.....
Address: .....
.....
.....
E-mail : .....
Tel.: .....
Fax: .....

COMMENTS

Panel cut-out

DRILLING

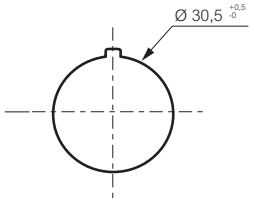


For heads equipped with electrical blocks with screw or plug-in terminals

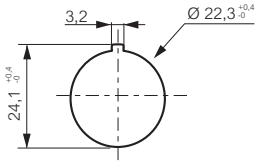
Minimum interval (mm)

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

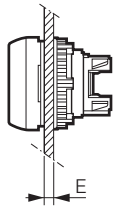
DRILLING FOR SUPER-FLUSH BUTTON



DRILLING WHEN USING THE ANTI-ROTATION RING (OPTIONAL)



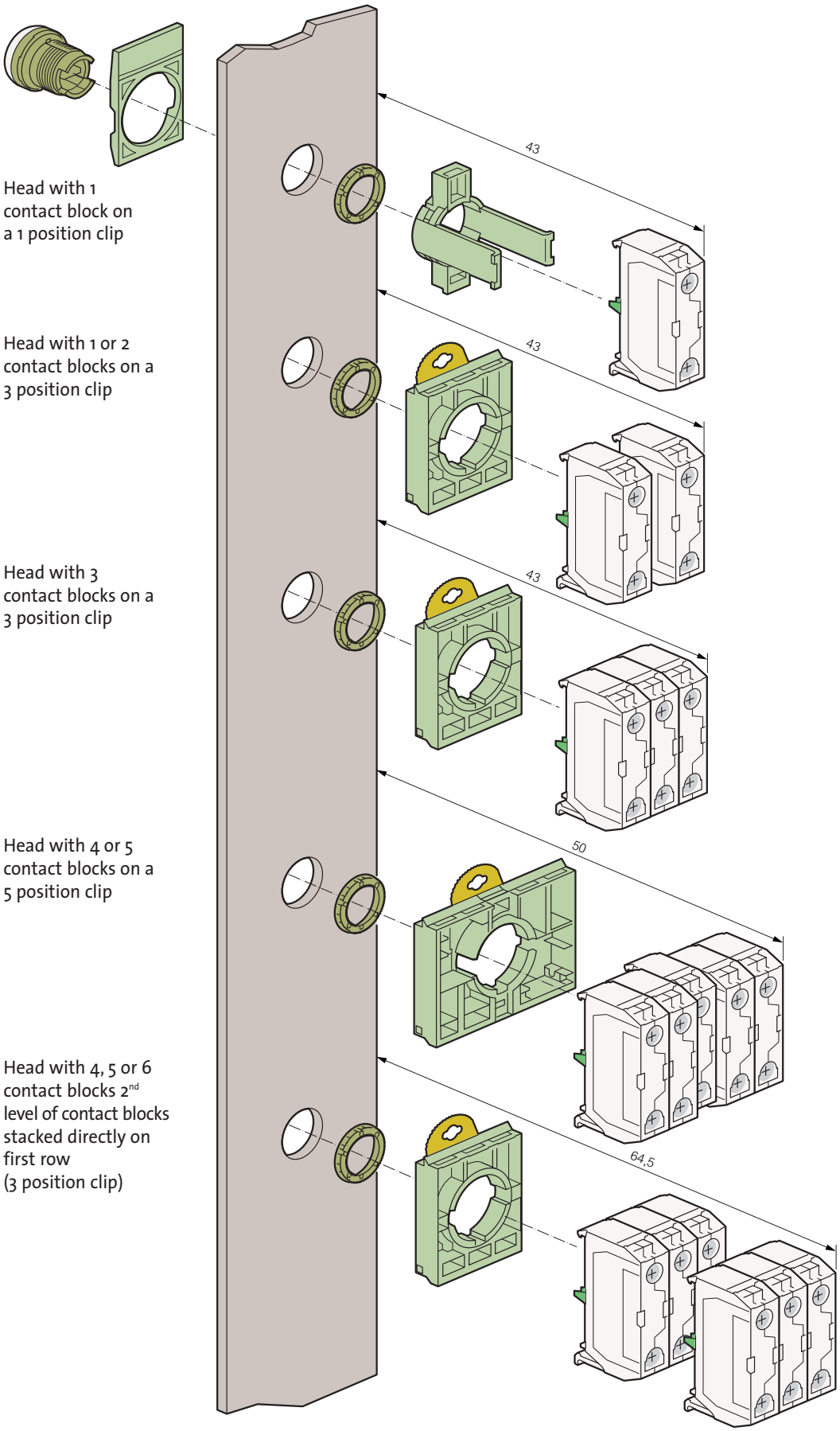
THICKNESS OF PANEL (E)



E = 1 to 6 mm

Mounting blocks ø 22

NON ILLUMINATED



Head with 1 contact block on a 1 position clip

Head with 1 or 2 contact blocks on a 3 position clip

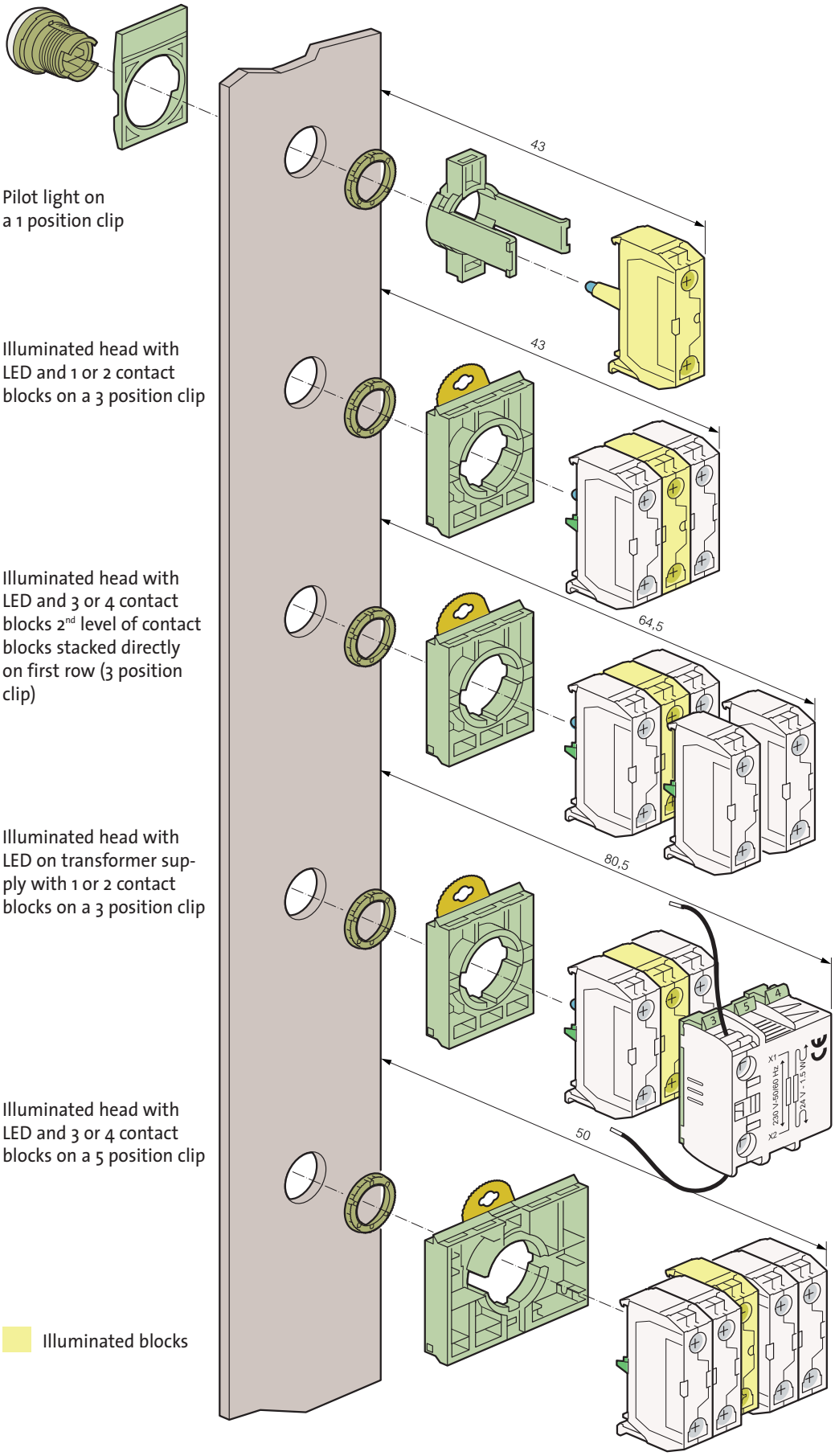
Head with 3 contact blocks on a 3 position clip

Head with 4 or 5 contact blocks on a 5 position clip

Head with 4, 5 or 6 contact blocks 2nd level of contact blocks stacked directly on first row (3 position clip)

Mounting blocks ø 22

ILLUMINATED



Pilot light on a 1 position clip

Illuminated head with LED and 1 or 2 contact blocks on a 3 position clip

Illuminated head with LED and 3 or 4 contact blocks 2nd level of contact blocks stacked directly on first row (3 position clip)

Illuminated head with LED on transformer supply with 1 or 2 contact blocks on a 3 position clip

Illuminated head with LED and 3 or 4 contact blocks on a 5 position clip

Illuminated blocks

Technical characteristics

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 characteristics

► CONTACT BLOCKS

Screw and plug-in connection characteristics	Data		Standards
► Rated insulation voltage	690 V AC 600 V AC		IEC 60947-1 UL 508
► NC contacts	Positive opening		IEC 60947-5-1
► Rated impulse voltage Uimp Pollution degree	6kV 3		
► Conventional thermal current in free air conditions	AC15: 10 A DC13: 2,5 A		IEC 60947-5-1
► Electrical ratings	**Alternating current** AC15 - A 600 Ue = 120 V, Ie = 6 A Ue = 240 V, Ie = 3 A Ue = 380 V, Ie = 1,9 A Ue = 480 V, Ie = 1,5 A Ue = 500 V, Ie = 1,4 A Ue = 600 V, Ie = 1,2 A **Minimum operating current** - standard blocks Ue = 24 V DC and Ie = 5 mA Failure rate < 10^{-8}	**Direct current** DC13 - Q 600 Ue = 125 V, Ie = 0,55 A Ue = 250 V, Ie = 0,27 A Ue = 400 V, Ie = 0,15 A Ue = 500 V, Ie = 0,13 A Ue = 600 V, Ie = 0,1 A - golden contacts Ue = 5 V DC and Ie = 1 mA Failure rate < 10^{-8}	IEC 60947-5-1
► Electrical operating life	**1 million cycles for:** - AC15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1,5 A	 - DC13 - R 300 Ue = 125 V, Ie = 0,22 A Ue = 250 V, Ie = 0,1 A	
► Applicable wire sizes	Rigid or flexible wire without ferrule: 0,5 mm^2 to 2 x 2,5 mm^2 Rigid or flexible wire with ferrule: 0,5 mm^2 to 2 x 1,5 mm^2		

Faston connection	Data		Standards
► Rated insulation voltage	320 V AC 300 V AC		IEC 60947-1 UL 508
► NC contacts	Positive opening		IEC 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	**Alternating current** AC15 - A 300 Ue = 120 V, Ie = 6 A Ue = 240 V, Ie = 3 A **Minimum current of use** Ue = 24 V DC and Ie = 5 mA Failure rate < 10^{-8}	**Direct current** DC13 - Q 300 Ue = 125 V, Ie = 0,55 A Ue = 250 V, Ie = 0,27 A	IEC 60947-5-1
► Electrical operating life	**1 million cycles for:** - AC15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1,5 A	 - DC13 - R 300 Ue = 125 V, Ie = 0,22 A Ue = 250 V, Ie = 0,1 A	
► Faston size	6,35 mm or 2 x 2,8 mm		

Technical characteristics

CONTACT BLOCKS

Pin-style connection (for PCB)	Data		Standards
Rated insulation voltage	250 V AC 250 V AC		IEC 60947-1 UL 508
NC contacts	Positive opening		IEC 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	**Alternating current** AC 15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1,5 A **Minimum current of use** - standard blocks Ue = 24 V DC and Ie = 5 mA Failure rate < 10^{-8}	**Direct current** DC13 - R 300 Ue = 125 V, Ie = 0,22 A Ue = 250 V, Ie = 0,1 A - golden contacts Ue = 5 V DC and Ie = 1 mA Failure rate < 10^{-8}	IEC 60947-5-1 IEC 60947-5-4
Electrical operating life	**1 million cycles for:** - AC15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1,5 A	 - DC13 - R 300 Ue = 125 V, Ie = 0,22 A Ue = 250 V, Ie = 0,1 A	
Pin diameter	ø 1 mm		

LED BLOCKS FOR ILLUMINATED HEADS AND ONE PIECE LED PILOT LIGHTS

Characteristics	Data	Standards
Rated insulation voltage	300 V	IEC 60947-5-1
Rated impulse voltage Uimp Pollution degree	4 kV (with filter block see p. 64) 3	IEC 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 colours: 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%	

Technical characteristics

ONE PIECE PILOT LIGHT BA9S

Characteristics	Data	Standards
Rated insulation voltage	400 V	IEC 60947-5-1
Rated impulse withstand voltage Uimp	4 kV	IEC 60947-1
Bulb rating	400 V max. - 2,6 W max. 240 V max. - 2,6 W max.	IEC 60947-5-1 UL 508

HEADS

Characteristics	Data	Standards
Mechanical endurance (in million cycles)	Spring return: 5 Push-push: 0,5 Selector switches: 0,3 Mushroom head maintained function EN 418/ISO 13850: 0,10 Mushroom head maintained function: 0,15	
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/ISO 13850 + NO + NC: 37 Push-turn mushroom head EN 418/ISO 13850 + 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 60947-5-5, the emergency stop function can be provided by an EN 418/ISO 13850 mushroom head combined with a "positive opening" NC contact block.

The mechanism of our EN 418/ISO 13850 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.

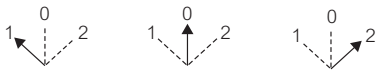
The EN 418/ISO 13850 mushroom heads also comply with the safety requirements detailed in standards EN 418 and ISO 13850.

Diagrams

MECHANICAL OPERATION

For 3 position selector switches

Handle position
(View from front of panel)



Contacts block actuation
(View from front of panel)

Back side view

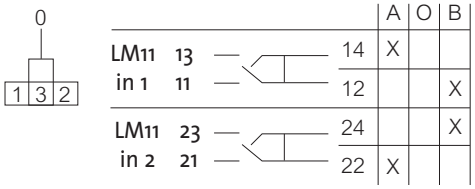
Non operated block

Operated block

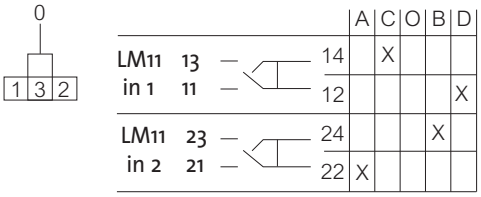
MECHANICAL OPERATION

For Joysticks

2 positions

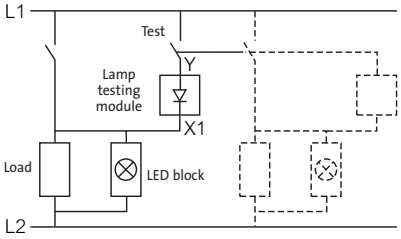


4 positions

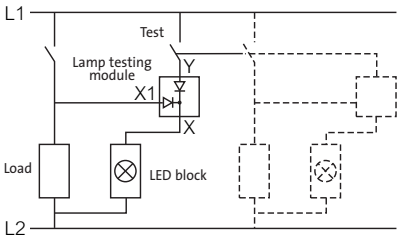


PUSH-TO-TEST LED PILOT LIGHT DIAGRAMS

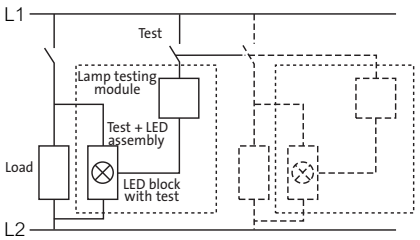
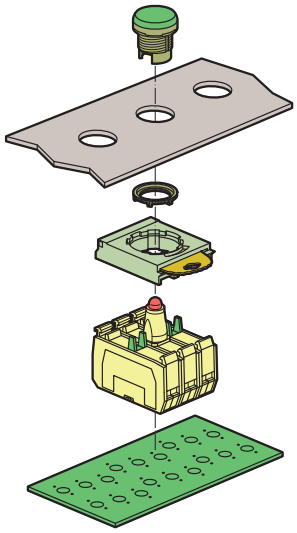
Lamp-testing module with
1 diode (33ET) for direct
supply 24 V and 48V



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



Lamp-testing assembly
for direct supply 130 V and 240 V
(Consult us - see page 79)



PRINTED CIRCUIT BOARD MOUNTING