

# Heads, blocks and connection...

designed to last!



LOCKING  
RING

## ► 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

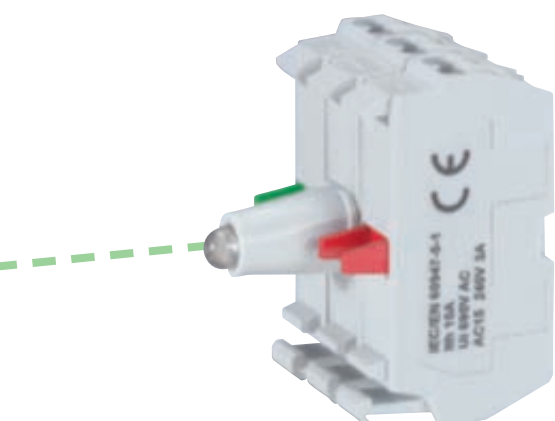
See pages 21 to 46

## ► 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

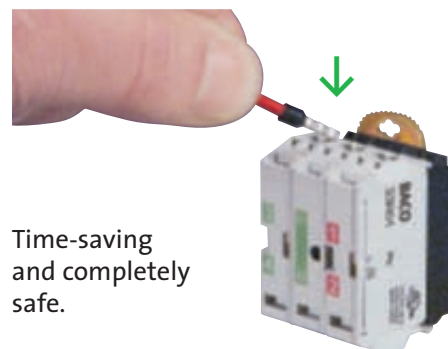
*"Imaginely designed to be safe, robust and durable"*

- 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.

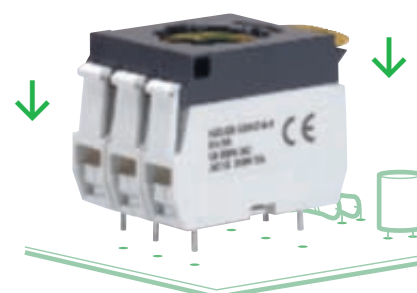
### SCREW TERMINALS



### FASTON TERMINALS



### PIN STYLE TERMINALS (FOR PCB)



# New heads...

robust and clearly marked!



## ► ADVANTAGES

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

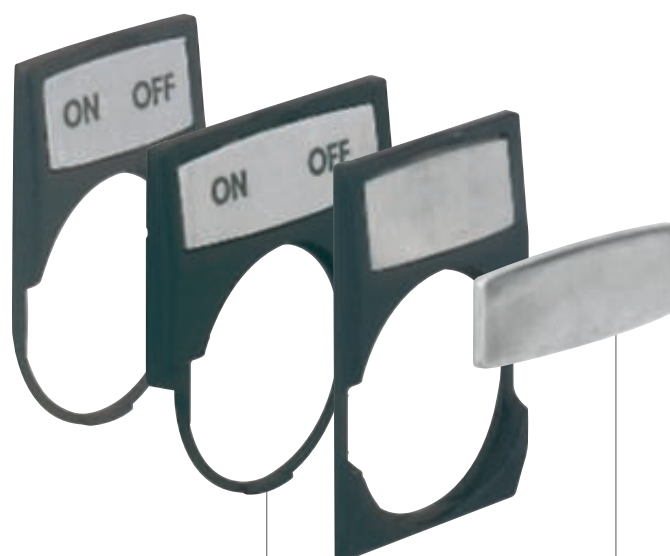
- On all heads, rotation is prevented by a tab which retracts when not required
- Insulating material ensures electrical safety
- Design and shape help avoid build-up of dirt and make the switch easy to clean
- EN 418/ISO 13850 illuminated mushroom head with yellow collar for side-on visual indication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



**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

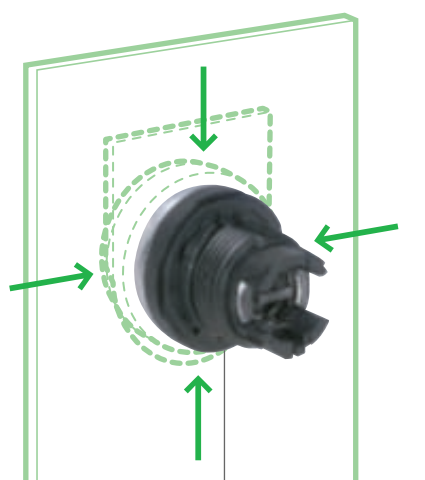
## ► READY-ASSEMBLED CONTROL STATION

- Innovative design
- 1, 2 or 3 buttons

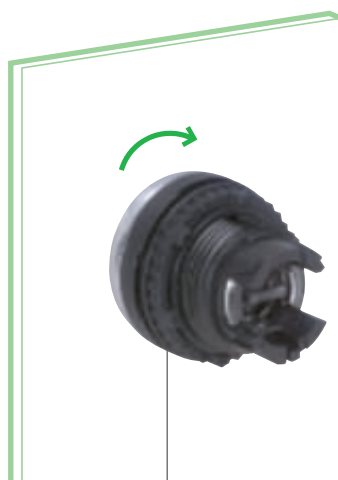
See page 82



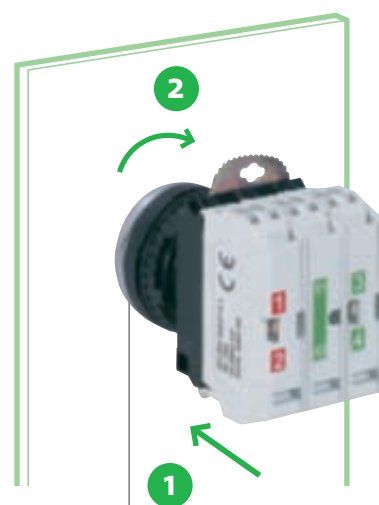
# Simplicity, speed, choice!



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



**Locking ring**  
to fix the head

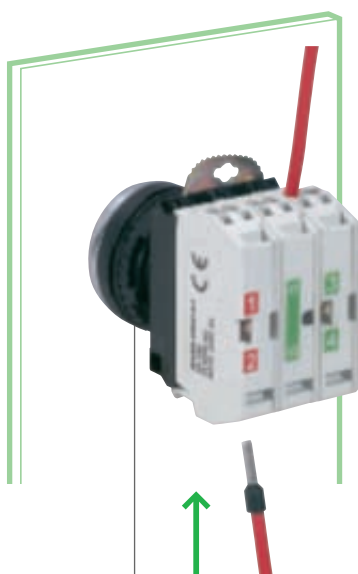


**Fixing**  
Locate block onto head  
and lock in place with  
rotating metallic latch

## ► 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



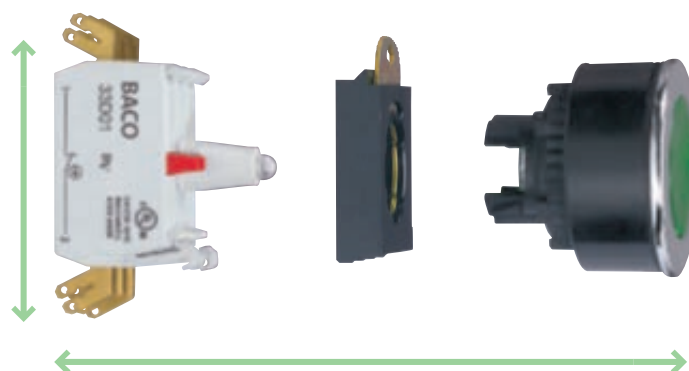
### SEPARATE UNITS

- 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)

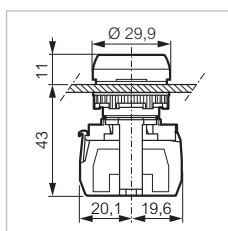
## ► SPRING RETURN - NON ILLUMINATED

### FLUSH

Cat. No.



L21AA02A



#### Without engraving

- Red
- Green
- Black
- Yellow
- Blue

|    |  |
|----|--|
| NC |  |
| NO |  |
| NO |  |
| NO |  |
| NO |  |

**L21AA01B**  
**L21AA02A**  
**L21AA03A**  
**L21AA04C**  
**L21AA06A**

#### With engraving

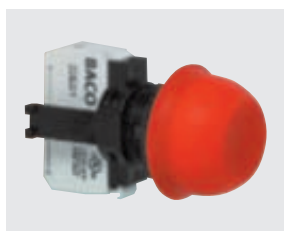
-  Red
-  Green

|    |  |
|----|--|
| NC |  |
| NO |  |

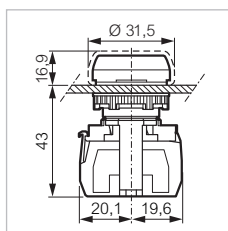
**L21AA81B**  
**L21AA82B**

### FLUSH

Reinforced degree of protection: IP 67



L22AF01A



#### Supplied with opaque shroud

- Red
- Green
- Black

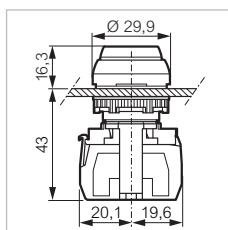
|    |  |
|----|--|
| NC |  |
| NO |  |
| NO |  |

**L22AF01A**  
**L22AF02A**  
**L22AF03A**

### PROJECTING



L21AB01A



- Red

|    |  |
|----|--|
| NC |  |
|----|--|

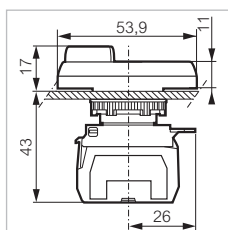
**L21AB01A**

### FLUSH-PROJECTING

Double touch



L61QB21A



-  Green - Flush
-  Red - Projecting

|    |  |  |
|----|--|--|
| NO |  |  |
| NC |  |  |

**L61QB21A**

# 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

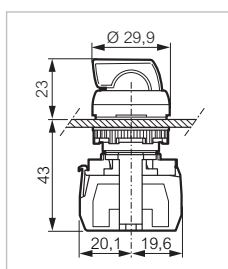
### WITH HANDLE

2 positions

Cat. No.

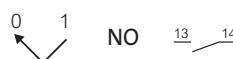


L21KE03B



Stay-put positions - 90°

● Black



**L21KE03B**

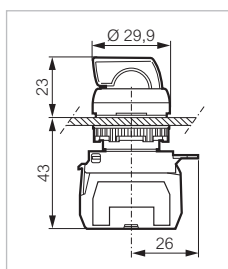
### WITH HANDLE

3 positions

Cat. No.

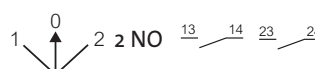


L21MA03A



Stay-put positions - 45°

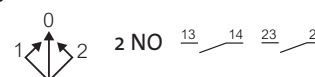
● Black



**L21MA03A**

Spring return to 0 - 45°

● Black



**L21MD03A**

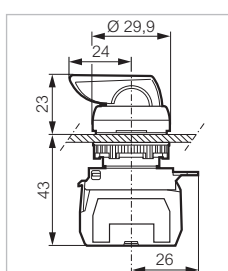
### WITH LONG HANDLE

3 positions

Cat. No.



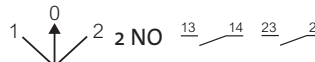
L21MR03A



Kontakt

Stay-put positions - 45°

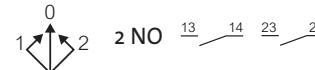
● Black



**L21MR03A**

Spring return to 0 - 45°

● Black



**L21MU03B**

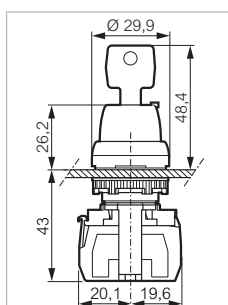
### WITH KEY

2 positions

Cat. No.



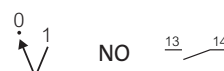
L21LA00G



Supplied with 2 keys profile n°455

Stay-put positions - 45°

Key free  
in position 0



**L21LA00G**

# 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.



L21AD01C

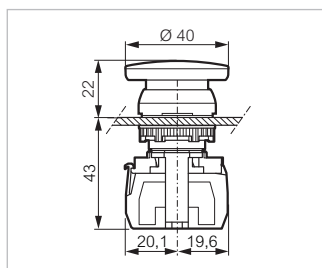
Plastic chrome bezel  
Black bezel on request (form p. 79)

● Red

NC



**L21AD01C**



Ø 40 - STAY-PUT

Push-turn to reset

Cat. No.



L22ED01D

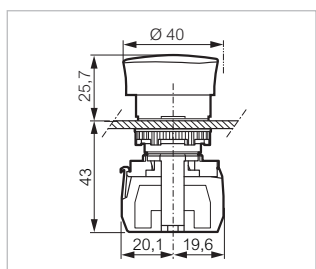
Black bezel

● Red

NC



**L22ED01D**



# 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.

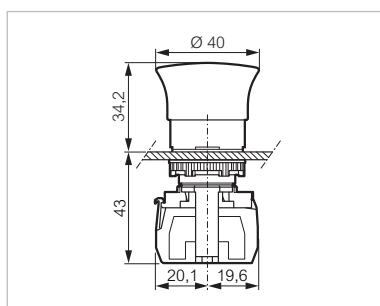


L22DD01A

● Red

NC 

**L22DD01A**



Ø 40 - STAY-PUT

Key to reset

Cat. No.



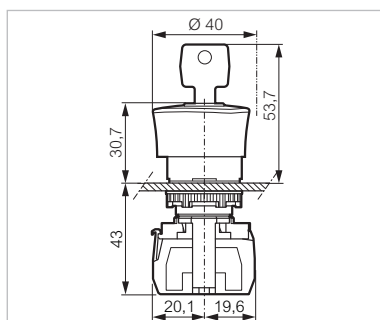
L22GM01E

Supplied with 2 keys profile n°455

● Red

NC 

**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

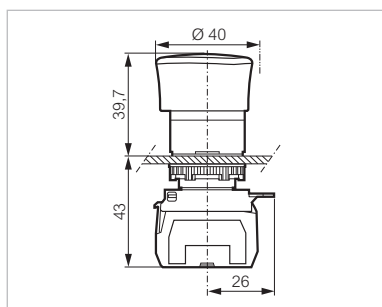
Head position visible from the side with yellow collar  
Compliant with the requirements of emergency stop:  
IEC 60947-5-5 / EN 418/ISO 13850

● Red

NO + NC



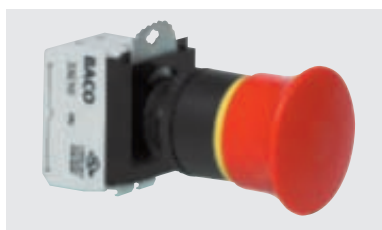
**L22ER01D**



Ø 40 EN 418/ISO 13850 - STAY-PUT

Push-pull to reset

Cat. No.

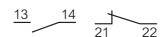


L22DR01B

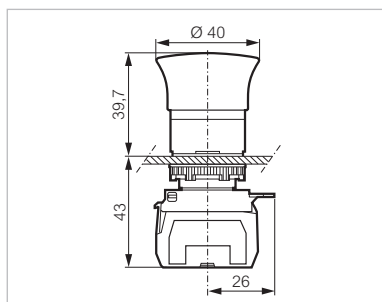
Head position visible from the side with yellow collar  
Compliant with the requirements of emergency stop:  
IEC 60947-5-5 / EN 418/ISO 13850

● Red

NO + NC



**L22DR01B**



# 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



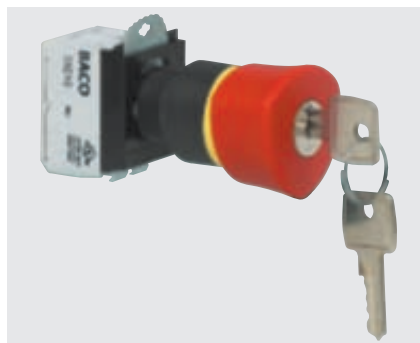
Characteristics (p. 94)

## ► EN 418/ISO 13850 EMERGENCY STOP - NON ILLUMINATED

Ø 40 EN 418/ISO 13850 - STAY-PUT

Key to reset

Cat. No.

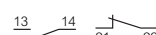


L22GR01B

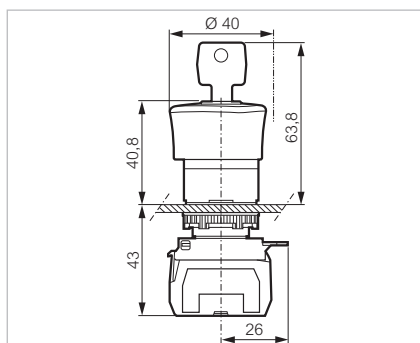
Double position indicator: head and collar  
Compliant with the requirements of emergency stop:  
IEC 60947-5-5 / EN 418/ISO 13850  
Supplied with 2 keys profile n°455

● Red

NO + NC



**L22GR01B**



Ø 54 EN 418/ISO 13850 - STAY-PUT

Push-pull to reset with flag indicator

Cat. No.



L22DU01G

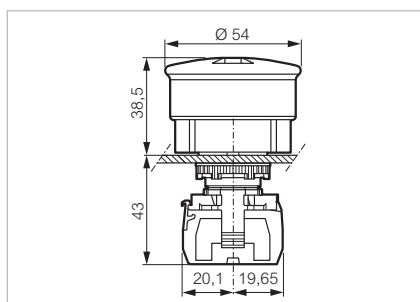
Double position indicator: head and collar  
Compliant with the requirements of emergency stop:  
IEC 60947-5-5 / EN 418/ISO 13850  
Flag indicator: Engraving STOP and I

● Red

NC



**L22DU01G**



# 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

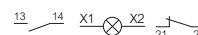
### FLUSH

Cat. No.



L21AH20L

#### LED blocks



#### 24V

- Red
- Green
- Yellow
- White
- Blue

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

**L21AH10L**  
**L21AH20L**  
**L21AH40L**  
**L21AH50L**  
**L21AH60L**

#### 130 V

- Red
- Green

NO+NC  
NO+NC

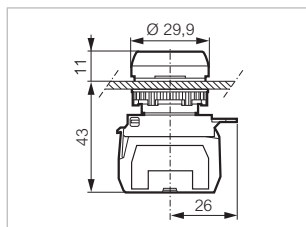
**L21AH10M**  
**L21AH20M**

#### 230 V

- Red
- Green

NO+NC  
NO+NC

**L21AH10H**  
**L21AH20H**

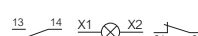


### TWIN TOUCH - FLUSH-PROJECTING



L61QK21H

#### LED blocks Central part illuminated



#### 24 V

- Green
- Red

NO  
NC

**L61QK21L**

#### 130 V

- Green
- Red

NO  
NC

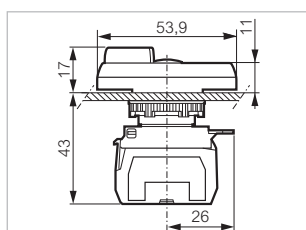
**L61QK21M**

#### 230 V

- Green
- Red

NO  
NC

**L61QK21H**



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



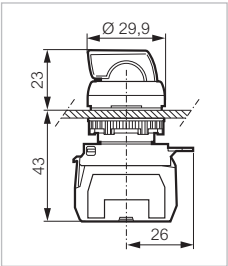
Characteristics (p. 94)

▶ SELECTOR SWITCHES - ILLUMINATED

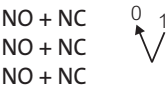
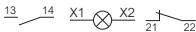
| WITH HANDLE | 2 positions | Cat. No. |
|-------------|-------------|----------|
|-------------|-------------|----------|



L21KG10C



LED blocks  
**Stay-put positions - 45°**  
24 V  
● Red  
● Green  
● Black



**L21KG10C**  
**L21KG20E**  
**L21KG30B**

## 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



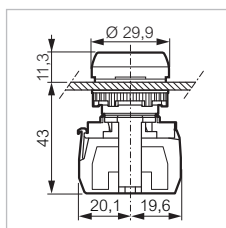
Characteristics (p. 94)

### ► PILOT LIGHTS

Cat. No.



L20SE20L



#### LED blocks



#### 24 V

- Red
- Green
- Yellow
- White
- Blue

**L20SE10L**  
**L20SE20L**  
**L20SE40L**  
**L20SE50L**  
**L20SE60L**

#### 130 V

- Red
- Green
- Yellow
- White
- Blue

**L20SE10M**  
**L20SE20M**  
**L20SE40M**  
**L20SE50M**  
**L20SE60M**

#### 230V

- Red
- Green
- Yellow
- White
- Blue

**L20SE10H**  
**L20SE20H**  
**L20SE40H**  
**L20SE50H**  
**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)

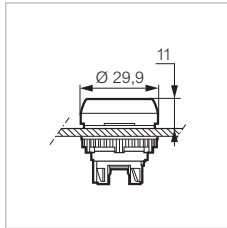
## ► PUSH-BUTTONS - NON ILLUMINATED

### SPRING RETURN - FLUSH

Cat. No.



L21AA02



#### Without engraving

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

**L21AA01**  
**L21AA02**  
**L21AA03**  
**L21AA04**  
**L21AA05**  
**L21AA06**

#### With engraving

- Red
- Green
- Black

**L21AA81**  
**L21AA82**  
**L21AA83**

#### On demand engraving (p. 70)

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

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

**L21AA31** [ ] [ ] [ ]  
**L21AA32** [ ] [ ] [ ]  
**L21AA33** [ ] [ ] [ ]  
**L21AA34** [ ] [ ] [ ]  
**L21AA35** [ ] [ ] [ ]  
**L21AA36** [ ] [ ] [ ]

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

Without button plate

**L21AA00**

Button plates (see p. 74)



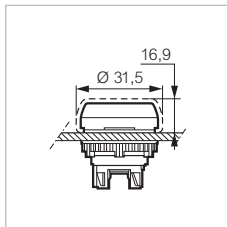
L21AA00

### SPRING RETURN - FLUSH

Reinforced degree of protection: IP 67



L22AF01



Supplied with shroud

#### Opaque

- Red
- Green
- Black

**L22AF01**  
**L22AF02**  
**L22AF03**

#### Transparent

- Yellow
- White
- Blue

**L22AG04**  
**L22AG05**  
**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)

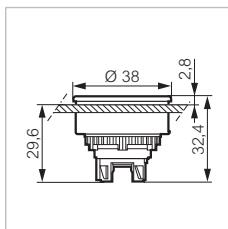
### ► PUSH-BUTTONS - NON ILLUMINATED (CONTINUED)

#### SPRING RETURN - SUPER FLUSH

Cat. No.



L23AA02



Metallic chrome bezel  
Cut-out ø 30,5 mm

##### Without engraving

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

L23AA01  
L23AA02  
L23AA03  
L23AA04  
L23AA05  
L23AA06

##### With engraving

- ⊙ Red
- ⓘ Green

L23AA81  
L23AA82

##### On demand engraving (p. 70)

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

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

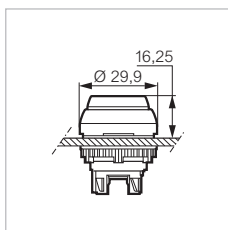
L23AA31□□□□  
L23AA32□□□□  
L23AA33□□□□  
L23AA34□□□□  
L23AA35□□□□  
L23AA36□□□□

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

#### SPRING RETURN - PROJECTING



L21AB01



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

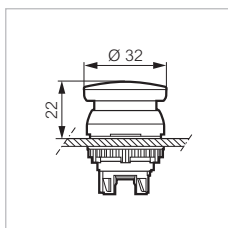
L21AB01  
L21AB02  
L21AB03  
L21AB04  
L21AB05  
L21AB06

#### SPRING RETURN - MUSHROOM HEAD Ø 32

Push



L21AC03



- Red
- Green
- Black
- Yellow

L21AC01  
L21AC02  
L21AC03  
L21AC04

## 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)

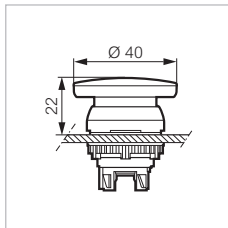
#### SPRING RETURN - MUSHROOM HEAD Ø 40

Push

Cat. No.



L21AD01



- Red
- Green
- Black
- Yellow
- Blue

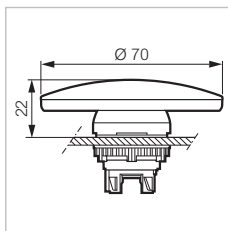
L21AD01  
L21AD02  
L21AD03  
L21AD04  
L21AD06

#### SPRING RETURN - MUSHROOM HEAD Ø 70

Push



L21AE03



- Red
- Black

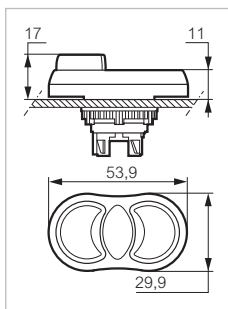
L21AE01  
L21AE03

#### SPRING RETURN - FLUSH-PROJECTING

Double touch



L61QB21



- Green
- Red
- Green engraving START
- Red engraving STOP

L61QB21

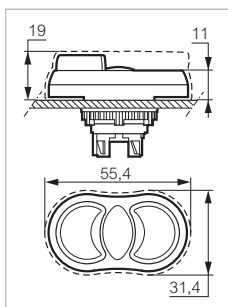
L61QB21B

#### SPRING RETURN - FLUSH-PROJECTING

Double touch - reinforced degree of protection: IP 67



L62QM21



Supplied with transparent shroud

- Green
- Red

L62QM21

# 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)

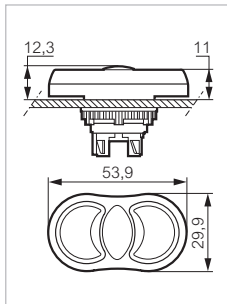
### SPRING RETURN - FLUSH-FLUSH

#### Double touch

Cat. No.



L61QA21



- Green
- Red

**L61QA21**

- Green engraving <||>
- Green engraving >||<

**L61QA22**

- Green
- Green

**L61QA22K**

- Black
- Black

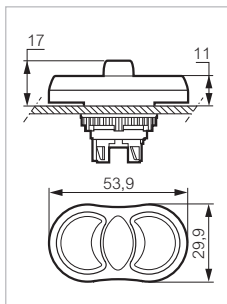
**L61QA33C**

### SPRING RETURN - FLUSH-PROJECTING-FLUSH

#### Triple touch



L61BA22



- Green
- Red engraving STOP
- Green

**L61BA22**

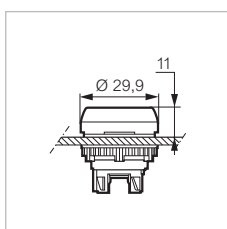
- Green
- Red engraving STOP
- Green

**L61BA22B**

### STAY-PUT - FLUSH



L21CA01



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

**L21CA01**  
**L21CA02**  
**L21CA03**  
**L21CA04**  
**L21CA05**  
**L21CA06**

# 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)

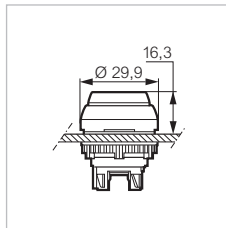
## ► PUSH-BUTTONS - NON ILLUMINATED (CONTINUED)

### STAY-PUT - PROJECTING

Cat. No.



L21CB02



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

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

**L21CB01**  
**L21CB02**  
**L21CB03**  
L21CB04  
L21CB05  
L21CB06

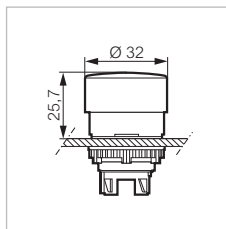
## ► MUSHROOM HEADS - NON ILLUMINATED

### Ø 32 - STAY-PUT

Push-turn to reset



L22EC01



- Red
- Green
- Black
- Yellow

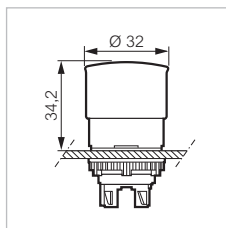
**L22EC01**  
**L22EC02**  
**L22EC03**  
L22EC04

### Ø 32 - STAY-PUT

Push-pull to reset



L22DC01



- Red

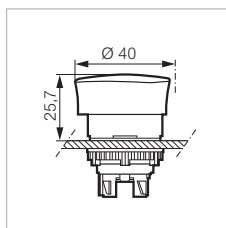
**L22DC01**

### Ø 40 - STAY-PUT

Push-turn to reset



L22ED01



Without engraving

- Red
- Green
- Black
- Yellow

**L22ED01**  
**L22ED02**  
**L22ED03**  
L22ED04

With engraving

- Red - engraving STOP - STOP - STOP

**L22ED01B**

# 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)

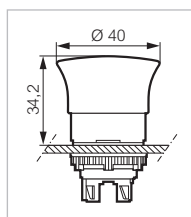
Ø 40 - STAY-PUT

Push-pull to reset

Cat. No.



L22DD01



- Red
- Black

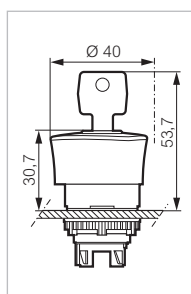
**L22DD01**  
**L22DD03**

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

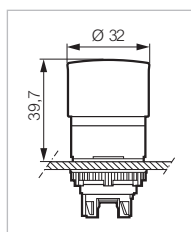
Ø 32 EN 418/ISO 13850 - STAY-PUT

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

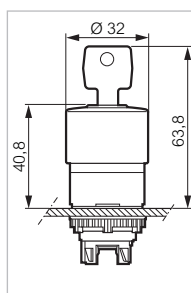
**L22DQ01**

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**

# 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)

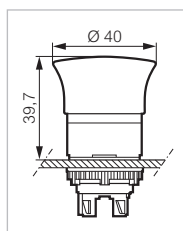
Ø 40 EN 418/ISO 13850 - STAY-PUT

Push-pull to reset

Cat. No.



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

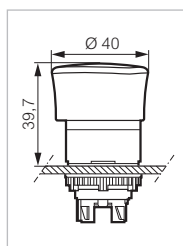
**L22DR01**

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

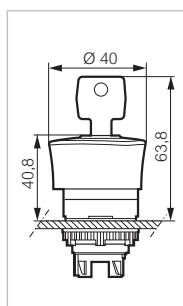
**L22ER01**

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

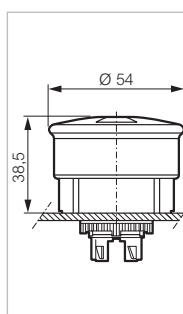
**L22GR01**

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  
● Red - engraving STOP - I

**L22DU01A**  
**L22DU01**

# 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

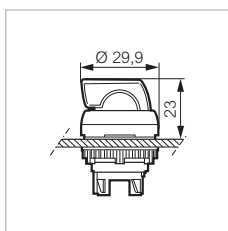
### WITH HANDLE

### 2 positions

### Cat. No.



L21KA03



#### Stay-put positions - 45°

- Red
- Green
- Black
- Grey



**L21KA01**  
**L21KA02**  
**L21KA03**  
**L21KA08**

#### Spring return - 45°

- Red
- Green
- Black
- Grey



**L21KB01**  
**L21KB02**  
**L21KB03**  
**L21KB08**

#### Stay-put positions - 45°

- Red
- Green
- Black
- Grey



**L21KC01**  
**L21KC02**  
**L21KC03**  
**L21KC08**

#### Spring return - 45°

- Red
- Green
- Black
- Grey



**L21KD01**  
**L21KD02**  
**L21KD03**  
**L21KD08**

#### Stay-put positions - 90°

- Red
- Green
- Black
- Grey



**L21KE01**  
**L21KE02**  
**L21KE03**  
**L21KE08**

#### Stay-put positions - 90°

- Red
- Green
- Black
- Grey



**L21KF01**  
**L21KF02**  
**L21KF03**  
**L21KF08**

# 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)

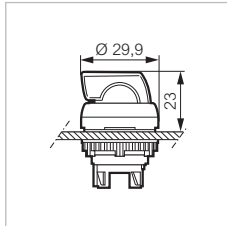
WITH HANDLE

3 positions

Cat. No.



L21MA03



### Stay-put positions - 45°

- Red
- Green
- Black
- Grey



**L21MA01**  
**L21MA02**  
**L21MA03**  
**L21MA08**

### Spring return from left to 0 - 45°

- Red
- Green
- Black
- Grey



**L21MB01**  
**L21MB02**  
**L21MB03**  
**L21MB08**

### Spring return from right to 0 - 45°

- Red
- Green
- Black
- Grey



**L21MC01**  
**L21MC02**  
**L21MC03**  
**L21MC08**

### Spring return to 0 - 45°

- Red
- Green
- Black
- Grey



**L21MD01**  
**L21MD02**  
**L21MD03**  
**L21MD08**

### Stay-put positions - 90°

- Red
- Green
- Black
- Grey



**L21MK01**  
**L21MK02**  
**L21MK03**  
**L21MK08**



L21MA08

## 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)

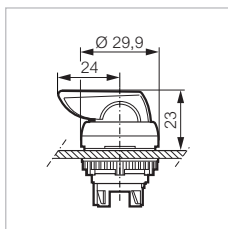
#### WITH LONG HANDLE

2 positions

Cat. No.



L21KP03



#### Stay-put positions - 45°

- Red
- Green
- Black
- Grey



L21KP01  
L21KP02  
**L21KP03**  
L21KP08

#### Spring return - 45°

- Red
- Green
- Black



L21KQ01  
L21KQ02  
**L21KQ03**

#### Stay-put positions - 45°

- Red
- Green
- Black



L21KR01  
L21KR02  
**L21KR03**

#### Spring return - 45°

- Red
- Green
- Black



L21KS01  
L21KS02  
**L21KS03**

#### Stay-put positions - 90°

- Red
- Green
- Black



L21KT01  
L21KT02  
**L21KT03**

#### Stay-put positions - 90°

- Red
- Green
- Black



L21KU01  
L21KU02  
**L21KU03**

# 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)

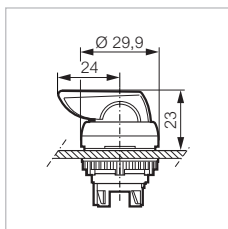
WITH LONG HANDLE

3 positions

Cat. No.



L21MR03



### Stay-put positions - 45°

- Red
- Green
- Black
- Grey



L21MR01  
L21MR02  
**L21MR03**  
L21MR08

### Spring return from left to 0 - 45°

- Red
- Green
- Black
- Grey



L21MS01  
L21MS02  
**L21MS03**  
L21MS08

### Spring return from right to 0 - 45°

- Red
- Green
- Black
- Grey



L21MT01  
L21MT02  
**L21MT03**  
L21MT08

### Spring return to 0 - 45°

- Red
- Green
- Black
- Grey



L21MU01  
L21MU02  
**L21MU03**  
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)

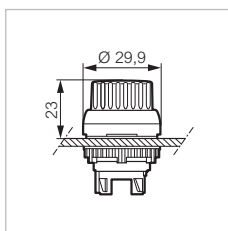
### WITH KNOB

#### 2 positions

Cat. No.



L21TF03



#### Stay-put positions - 45°

- Black



**L21TA03**

#### Spring return - 45°

- Black



**L21TB03**

#### Stay-put positions - 90°

- Black



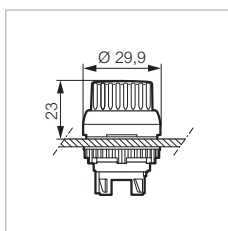
**L21TF03**

### WITH KNOB

#### 3 positions



L21UA03



#### Stay-put positions - 45°

- Black



**L21UA03**

#### Spring return from left to 0 - 45°

- Black



**L21UB03**

#### Spring return from right to 0 - 45°

- Black



**L21UC03**

#### Spring return to 0 - 45°

- Black



**L21UD03**

#### Stay-put positions - 90°

- Black



**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)

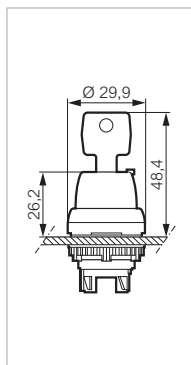
#### WITH KEY

#### 2 positions

Cat. No.



L21LG00



#### Key free in position:

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)

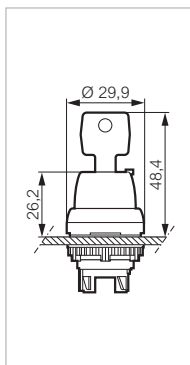
WITH KEY

3 positions

Cat. No.



L21NA00



Key free in position:

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)

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)

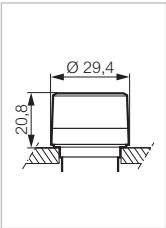
▶ ADJUSTABLE MECHANICAL PUSH/RESET BUTTON - NON ILLUMINATED

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
- Green
- Black
- Yellow
- White
- Blue

**L21HA01**  
**L21HA02**  
**L21HA03**  
L21HA04  
L21HA05  
**L21HA06**

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

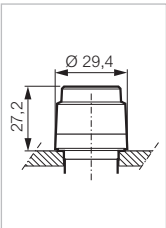
- Red
- Green
- Black
- Yellow
- White
- Blue

L21HA31□□□  
L21HA32□□□  
L21HA33□□□  
L21HA34□□□  
L21HA35□□□  
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
- Green
- Black
- Yellow
- White
- Blue

**L21HB01**  
**L21HB02**  
**L21HB03**  
L21HB04  
L21HB05  
**L21HB06**

# Separate units ø 22: Heads

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



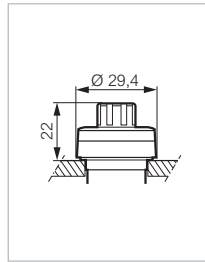
Characteristics (p. 94)

## ► 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

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  
2 spring-return A → 0 ← B

**LM2F**  
**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  
2 spring-return A → 0 ← B

**LMV2F**  
**LMV2A**

**4 directions - 5 positions**

4 maintained (stay-put) A  
C - 0 - D  
B

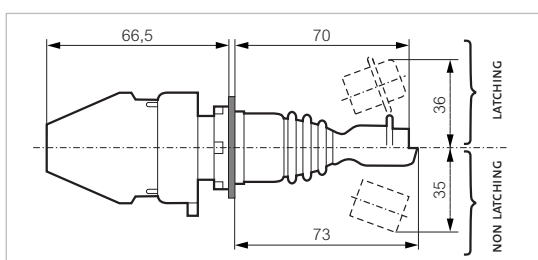
**LMV4F**

4 spring-return A  
C → 0 ← D  
B

**LMV4A**



LMV4F



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)

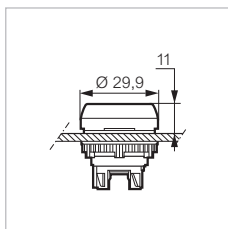
## PUSH-BUTTONS - ILLUMINATED

### SPRING RETURN - FLUSH

Cat. No.



L21AH20



#### Without engraving

- Red
- Green
- Yellow
- White
- Blue

**L21AH10**  
**L21AH20**  
**L21AH40**  
**L21AH50**  
**L21AH60**

#### On demand engraving (p. 70)

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

- Red
- Green
- Yellow
- White
- Blue

L21AH31|\_|\_|\_|  
L21AH32|\_|\_|\_|  
L21AH34|\_|\_|\_|  
L21AH35|\_|\_|\_|  
L21AH36|\_|\_|\_|

Without button plate

**L21AH00**

#### Button plates (p. 74)

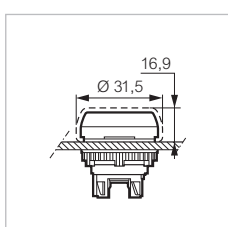
L21AH00

### SPRING RETURN - FLUSH

Reinforced degree of protection: IP 67



L22AP40



Supplied with transparent shroud

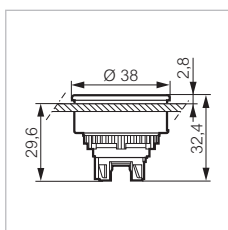
- Red
- Green
- Yellow
- White
- Blue

**L22AP10**  
**L22AP20**  
**L22AP40**  
**L22AP50**  
**L22AP60**

### SPRING RETURN - SUPER FLUSH



L23AH10



Metallic chrome bezel

Drilling ø 30,5 mm

#### Without engraving

- Red
- Green
- Yellow
- White
- Blue

**L23AH10**  
**L23AH20**  
**L23AH40**  
**L23AH50**  
**L23AH60**

#### On demand engraving (p. 70)

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

- Red
- Green
- Yellow
- White
- Blue

L23AH31|\_|\_|\_|  
L23AH32|\_|\_|\_|  
L23AH34|\_|\_|\_|  
L23AH35|\_|\_|\_|  
L23AH36|\_|\_|\_|

# 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)

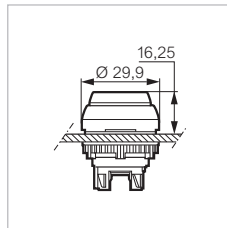
## ► PUSH-BUTTONS - ILLUMINATED (CONTINUED)

### SPRING RETURN - PROJECTING

Cat. No.



L21AK20



- Red
- Green
- Yellow
- White
- Blue

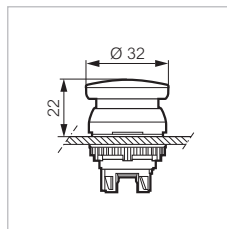
**L21AK10**  
**L21AK20**  
**L21AK40**  
**L21AK50**  
**L21AK60**

### SPRING RETURN - MUSHROOM HEAD Ø 32

Push



L21AL10



- Red
- Green
- Yellow
- White

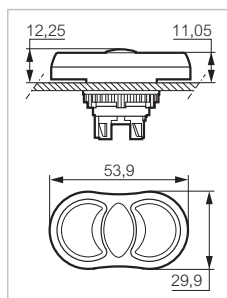
**L21AL10**  
**L21AL20**  
**L21AL40**  
**L21AL50**

### SPRING RETURN - FLUSH-FLUSH

Double touch



L61QH21



Central part illuminated

- Green
- Red
- Green
- Green
- Green engraving START
- Red engraving STOP

**L61QH21**

**L61QH22V**

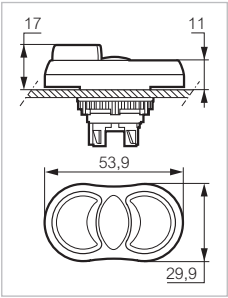
**L61QH21A**

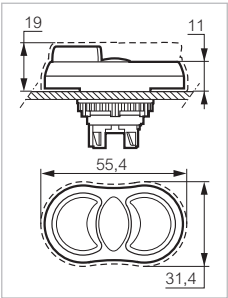
Separate units ø 22: Heads

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.                 |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------|
|  |                        | Central part illuminated |
|                                                                                  |  Green                 | <b>L61QK21</b>           |
|                                                                                  |  Red                   |                          |
|                                                                                  |  White                 | <b>L61QK53</b>           |
|                                                                                  |  Black                 |                          |
|                                                                                  |  Green engraving START | <b>L61QK21A</b>          |
|                                                                                  |  Red engraving STOP    |                          |

| SPRING RETURN - FLUSH-PROJECTING                                                   | Double touch - reinforced degree of protection: IP 67                                     |                                                              |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------|
|  |        | Supplied with transparent shroud<br>Central part illuminated |
|                                                                                    |  Green | <b>L62QN21</b>                                               |
|                                                                                    |  Red   |                                                              |

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)

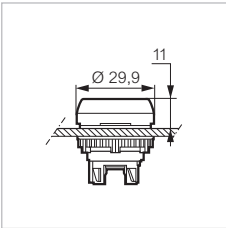
PUSH-BUTTONS - ILLUMINATED (CONTINUED)

STAY-PUT - FLUSH

Réf.



L21CH20



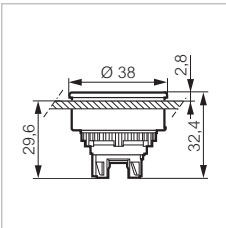
- Red
- Green
- Yellow
- White
- Blue

- L21CH10
- L21CH20
- L21CH40
- L21CH50
- L21CH60

STAY-PUT - SUPER FLUSH



L23CH10



Metallic chrome bezel  
Drilling ø 30,5 mm

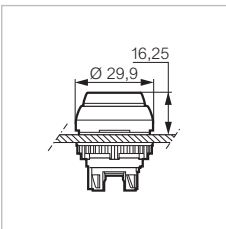
- Red
- Green
- Yellow
- White
- Blue

- L23CH10
- L23CH20
- L23CH40
- L23CH50
- L23CH60

STAY-PUT - PROJECTING



L21CK20



- Red
- Green
- Yellow
- White
- Blue

- L21CK10
- L21CK20
- L21CK40
- L21CK50
- 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

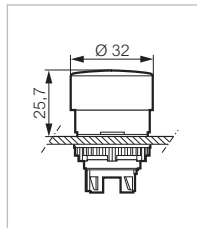
Ø 32 - STAY-PUT

Push-turn to reset

Cat. No.



L22EL10



• Red

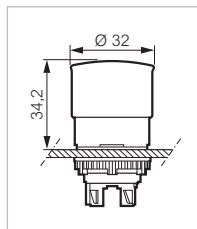
**L22EL10**

Ø 32 - STAY-PUT

Push-pull to reset



L22DL10



• Red

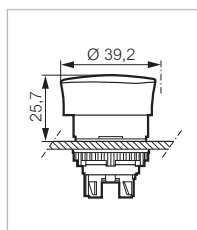
**L22DL10**

Ø 40 - STAY-PUT

Push-turn to reset



L22EM10



• Red  
• Green  
• Yellow

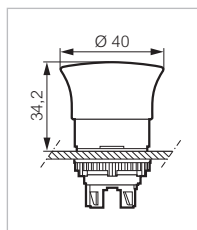
**L22EM10**  
**L22EM20**  
**L22EM40**

Ø 40 - STAY-PUT

Push-pull to reset



L22DM10



• Red  
• Green  
• Yellow  
○ White

**L22DM10**  
**L22DM20**  
**L22DM40**  
**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

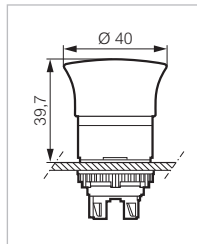
Ø 40 EN 418/ISO 13850- STAY-PUT

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

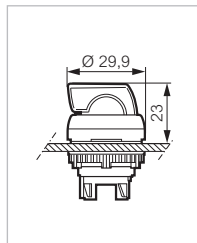
WITH HANDLE

2 positions

Cat. No.



L21KJ30



Stay-put positions - 45°

● Red  
● Green  
● Black



**L21KG10**  
**L21KG20**  
**L21KG30**

Spring return- 45°

● Red  
● Green  
● Black



**L21KH10**  
**L21KH20**  
**L21KH30**

Stay-put positions - 45°

● Red  
● Green  
● Black



**L21KJ10**  
**L21KJ20**  
**L21KJ30**

Spring return- 45°

● Red  
● Green  
● Black



**L21KK10**  
**L21KK20**  
**L21KK30**

Stay-put positions - 90°

● Red  
● Green  
● Black



**L21KL10**  
**L21KL20**  
**L21KL30**

Stay-put positions - 90°

● Red  
● Green  
● Black



**L21KM10**  
**L21KM20**  
**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

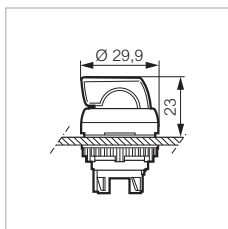
### WITH HANDLE

3 positions

Cat. No.



L21ME10



#### 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)

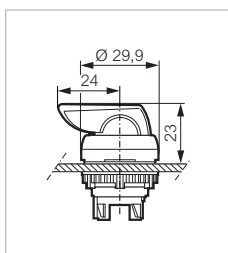
### WITH LONG HANDLE

2 positions

Cat. No



L21KV30



#### Stay-put positions - 45°

- Black



**L21KV30**

#### Stay-put positions - 45°

- Black



**L21KX30**

#### Spring return - 45°

- Black



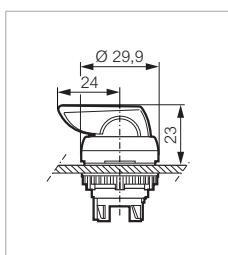
**L21KY30**

### WITH LONG HANDLE

3 positions



L21ML30



#### Stay-put positions - 45°

- Black



**L21ML30**

#### Spring return from left to 0 - 45°

- Black



**L21MM30**

#### Spring return from right to 0 - 45°

- Black



**L21MN30**

#### Spring return to 0 - 45°

- 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



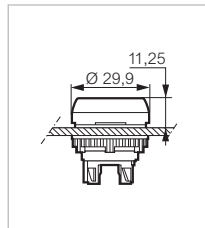
Characteristics (p. 94)

## ► PILOT LIGHTS - SEPARATE UNITS

Cat. No



L20SE20



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

### Without engraving

- Red
- Green
- Yellow
- White
- Blue

**L20SE10**  
**L20SE20**  
**L20SE40**  
**L20SE50**  
**L20SE60**

### On demand engraving (p. 70)

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

- Red
- Green
- Yellow
- White
- Blue

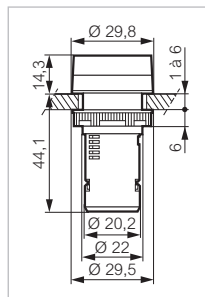
L20SE31|\_|\_|\_|  
L20SE32|\_|\_|\_|  
L20SE34|\_|\_|\_|  
L20SE35|\_|\_|\_|  
L20SE36|\_|\_|\_|

## ► ONE-PIECE PILOT LIGHTS

Cat. No



L20SA40



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

### Without engraving

Ribbed lens

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

**L20SA10**  
**L20SA20**  
**L20SA30**  
**L20SA40**  
**L20SA50**  
**L20SA60**

### On demand engraving (p. 70)

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

Smooth lens

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

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

# Pilot lights ø 22

IP 66  
Direct supply



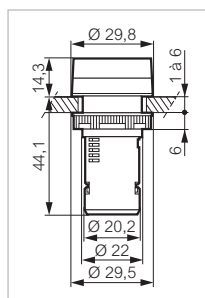
Characteristics (p. 94)

## ► ONE-PIECE PILOT LIGHTS (CONTINUED)

Cat. No.



L20SA10M



Supplied with LED bulb-type BA9S  
Smooth lens

### 24V

#### Without engraving

- Red
- Green
- Yellow
- White
- Blue

**L20SA10L**  
**L20SA20L**  
**L20SA40L**  
**L20SA50L**  
**L20SA60L**

#### On demand engraving (p. 70)

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

- Red
- Green
- Yellow
- Colourless
- Blue

L20SA31L [ ] [ ] [ ] [ ]  
L20SA32L [ ] [ ] [ ] [ ]  
L20SA34L [ ] [ ] [ ] [ ]  
L20SA33L [ ] [ ] [ ] [ ]  
L20SA36L [ ] [ ] [ ] [ ]

### 130V

#### Without engraving

- Red
- Green
- Yellow
- White
- Blue

**L20SA10M**  
**L20SA20M**  
**L20SA40M**  
**L20SA50M**  
**L20SA60M**

#### On demand engraving (p. 70)

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

- Red
- Green
- Yellow
- Colourless
- Blue

L20SA31M [ ] [ ] [ ] [ ]  
L20SA32M [ ] [ ] [ ] [ ]  
L20SA34M [ ] [ ] [ ] [ ]  
L20SA33M [ ] [ ] [ ] [ ]  
L20SA36M [ ] [ ] [ ] [ ]

### 230V

#### Without engraving

- Red
- Green
- Yellow
- White
- Blue

**L20SA10H**  
**L20SA20H**  
**L20SA40H**  
**L20SA50H**  
**L20SA60H**

#### On demand engraving (p. 70)

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

- Red
- Green
- Yellow
- Colourless
- Blue

L20SA31H [ ] [ ] [ ] [ ]  
L20SA32H [ ] [ ] [ ] [ ]  
L20SA34H [ ] [ ] [ ] [ ]  
L20SA33H [ ] [ ] [ ] [ ]  
L20SA36H [ ] [ ] [ ] [ ]

# Block holder clips for assembly as you require

1, 3 or 5-position clips

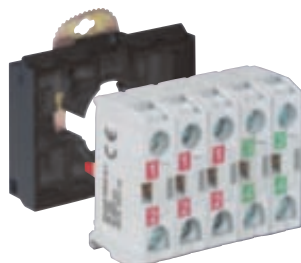
## ► CLIP

*"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



- 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

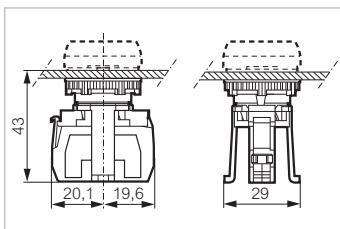
### SCREW TERMINALS

#### 1 position clip

Cat. No.



331E10



NO   
NC

**331E10**

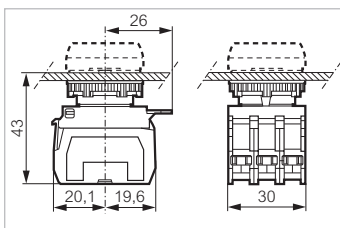
**331E01**

### SCREW TERMINALS

#### 3 position clip



333E21



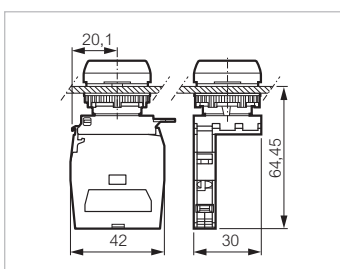
NO   
NC   
2 NO   
2 NC

**333E10**

**333E01**

**333E20**

**333E02**



NO/NC

NO + NC   
3 NO   
3 NC

**333E11**

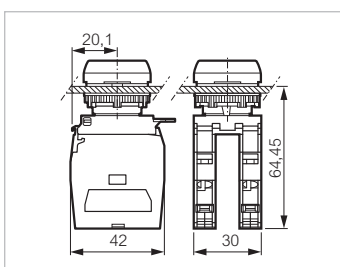
**333E30**

**333E03**

2 NO + NC   
NO + 2 NC

**333E21**

**333E12**



2 NO/NC

NO/NC   
2 NO/NC

**334E11**

**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)

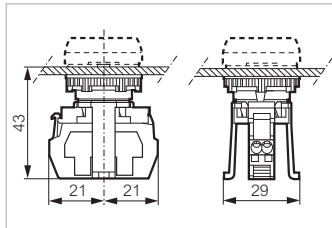
### PLUG-IN TERMINALS

#### 1 position clip

Cat. No.



331ER01



NO

13 14

**331ER10**

NC

21 22

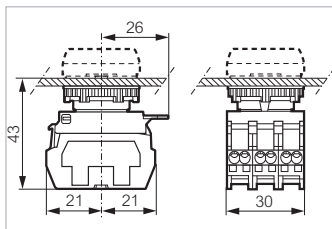
**331ER01**

### 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**

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

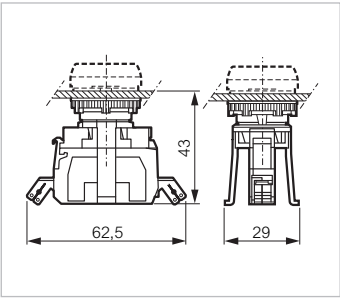
 Characteristics (p. 94)

CONTACT BLOCKS - FOR NON ILLUMINATED HEADS (CONTINUED)

FASTON TERMINALS 1 position clip Cat. No.



331ED10



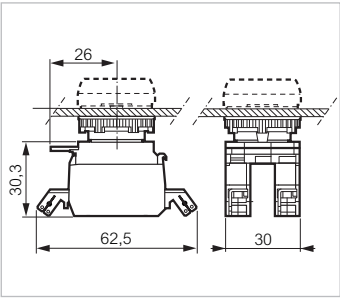
NO   
NC 

**331ED10**  
**331ED01**

FASTON TERMINALS 3 position clip



333ED11



NO + NC 

**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

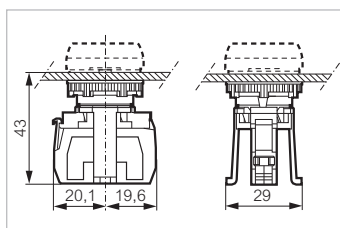
### SCREW TERMINALS

#### 1 position clip: LED block

Cat. No.



331EAGL



LED



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

331EAWL  
331EARL  
331EAGL  
331EABL  
331EAYL

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

331EAWM  
331EARM  
331EAGM  
331EABM  
331EAYM

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

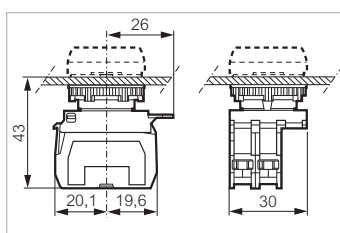
331EAWH  
331EARH  
331EAGH  
331EABH  
331EAYH

### SCREW TERMINALS

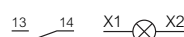
#### 3 position clip: NO + LED block



333EAWM10



LED



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

**333EAWL10**  
**333EARL10**  
**333EAGL10**  
**333EABL10**  
**333EAYL10**

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

**333EAWM10**  
**333EARM10**  
**333EAGM10**  
**333EABM10**  
**333EAYM10**

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

**333EAWH10**  
**333EARH10**  
**333EAGH10**  
**333EABH10**  
**333EAYH10**

# 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)

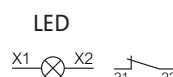
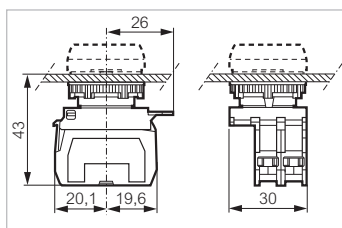
### SCREW TERMINALS

#### 3 position clip: LED block + NC

Cat. No.



333EAWL01



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

333EAWL01  
333EARL01  
333EAGL01  
333EABL01  
333EAYL01

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

333EAWM01  
333EARM01  
333EAGM01  
333EABM01  
333EAYM01

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

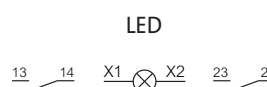
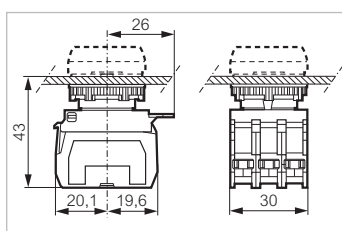
333EAWH01  
333EARH01  
333EAGH01  
333EABH01  
333EAYH01

### SCREW TERMINALS

#### 3 position clip: NO + LED block + NO



333EARL20



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

333EAWL20  
333EARL20  
333EAGL20  
333EABL20  
333EAYL20

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

333EAWM20  
333EARM20  
333EAGM20  
333EABM20  
333EAYM20

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

333EAWH20  
333EARH20  
333EAGH20  
333EABH20  
333EAYH20

# 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)

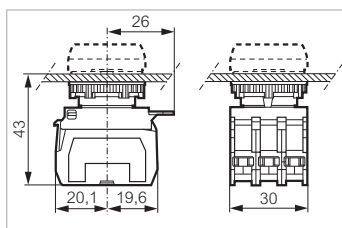
### SCREW TERMINALS

3 position clip: NO + LED block + NC

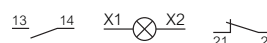
Cat. No.



333EARL11



LED



24 V

- White
- Red
- Green
- Blue
- Yellow

**333EAWL11**  
**333EARL11**  
**333EAGL11**  
**333EABL11**  
**333EAYL11**

130 V

- White
- Red
- Green
- Blue
- Yellow

**333EAWM11**  
**333EARM11**  
**333EAGM11**  
**333EABM11**  
**333EAYM11**

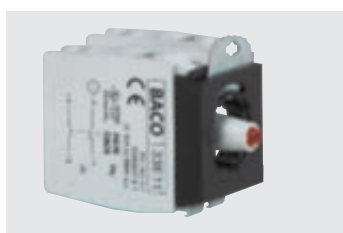
230 V

- White
- Red
- Green
- Blue
- Yellow

**333EAWH11**  
**333EARH11**  
**333EAGH11**  
**333EABH11**  
**333EAYH11**

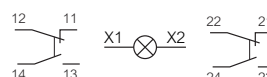
### SCREW TERMINALS

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



334EARL22

LED



24 V

- White
- Red
- Green
- Blue
- Yellow

**334EAWL22**  
**334EARL22**  
**334EAGL22**  
**334EABL22**  
**334EAYL22**

130 V

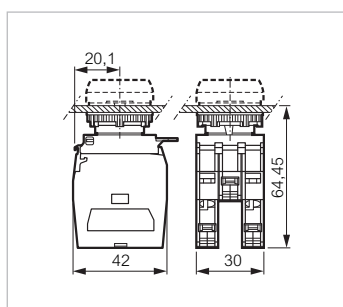
- White
- Red
- Green
- Blue
- Yellow

**334EAWM22**  
**334EARM22**  
**334EAGM22**  
**334EABM22**  
**334EAYM22**

230 V

- White
- Red
- Green
- Blue
- Yellow

**334EAWH22**  
**334EARH22**  
**334EAGH22**  
**334EABH22**  
**334EAYH22**



## 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)

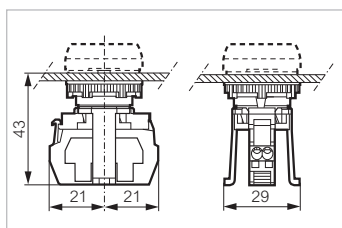
#### PLUG-IN TERMINALS

#### 1 position clip: LED block

Cat. No.



331ERAGH



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

**331ERAWL**  
**331ERARL**  
**331ERAGL**  
**331ERABL**  
**331ERAYL**

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

**331ERAWM**  
**331ERARM**  
**331ERAGM**  
**331ERABM**  
**331ERAYM**

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

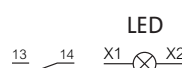
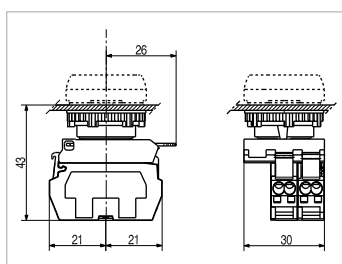
**331ERAWH**  
**331ERARH**  
**331ERAGH**  
**331ERABH**  
**331ERAYH**

#### PLUG-IN TERMINALS

#### 3 position clip: NO + LED block



333ERAGL10



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

**333ERAWL10**  
**333ERARL10**  
**333ERAGL10**  
**333ERABL10**  
**333ERAYL10**

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

**333ERAWM10**  
**333ERARM10**  
**333ERAGM10**  
**333ERABM10**  
**333ERAYM10**

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

**333ERAWH10**  
**333ERARH10**  
**333ERAGH10**  
**333ERABH10**  
**333ERAYH10**

## 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)

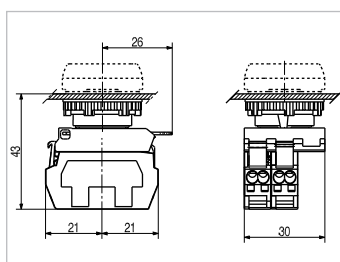
#### PLUG-IN TERMINALS

#### 3 position clip: LED block + NC

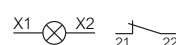
Cat. No.



333ERAGH01



LED



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

333ERAWL01  
333ERARL01  
333ERAGL01  
333ERABL01  
333ERAYL01

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

333ERAWM01  
333ERARM01  
333ERAGM01  
333ERABM01  
333ERAYM01

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

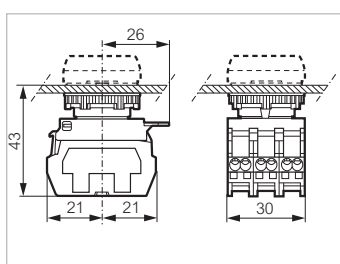
333ERAWH01  
333ERARH01  
333ERAGH01  
333ERABH01  
333ERAYH01

#### PLUG-IN TERMINALS

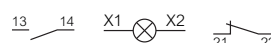
#### 3 position clip: NO + LED block + NC



333ERAGH11



LED



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

333ERAWL11  
333ERARL11  
333ERAGL11  
333ERABL11  
333ERAYL11

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

333ERAWM11  
333ERARM11  
333ERAGM11  
333ERABM11  
333ERAYM11

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

333ERAWH11  
333ERARH11  
333ERAGH11  
333ERABH11  
333ERAYH11

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



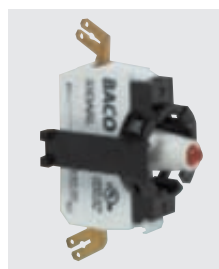
Characteristics (p. 94)

## ► ELECTRICAL BLOCKS - FOR ILLUMINATED HEADS (CONTINUED)

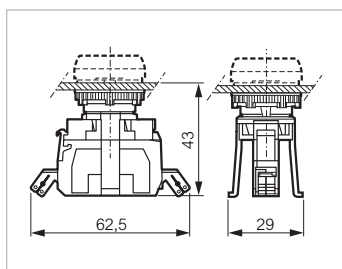
### FASTON TERMINALS

#### 1 position clip: LED block

Cat. No.



331EDARL



LED



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

331EDAWL  
331EDARL  
331EDAGL  
331EDABL  
331EDAYL

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

331EDAWM  
331EDARM  
331EDAGM  
331EDABM  
331EDAYM

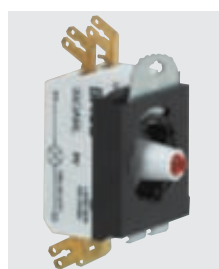
#### 230 V

- White
- Red
- Green
- Blue
- Yellow

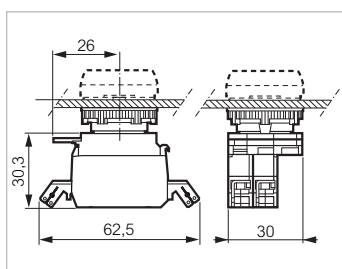
331EDAWH  
331EDARH  
331EDAGH  
331EDABH  
331EDAYH

### FASTON TERMINALS

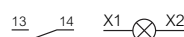
#### 3 position clip: NO + LED block



333EDARL10



LED



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

333EDAWL10  
333EDARL10  
333EDAGL10  
333EDABL10  
333EDAYL10

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

333EDAWM10  
333EDARM10  
333EDAGM10  
333EDABM10  
333EDAYM10

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

333EDAWH10  
333EDARH10  
333EDAGH10  
333EDABH10  
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



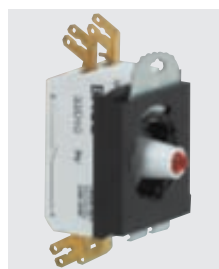
Characteristics (p. 94)

## ► ELECTRICAL BLOCKS - FOR ILLUMINATED HEADS (CONTINUED)

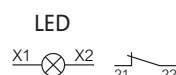
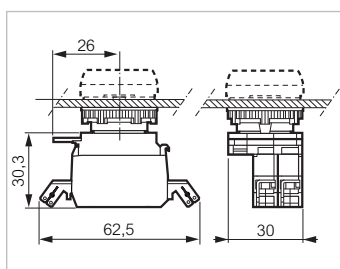
### FASTON TERMINALS

#### 3 position clip: LED block + NC

Cat. No.



333EDARM01



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

333EDAWL01  
333EDARL01  
333EDAGL01  
333EDABL01  
333EDAYL01

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

333EDAWM01  
333EDARM01  
333EDAGM01  
333EDABM01  
333EDAYM01

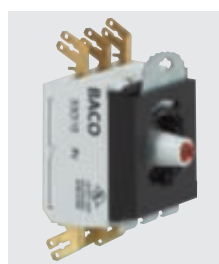
#### 230 V

- White
- Red
- Green
- Blue
- Yellow

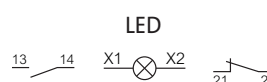
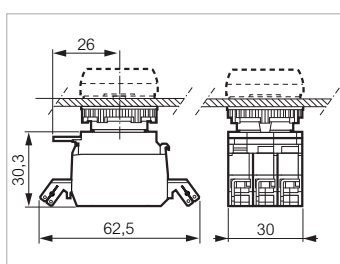
333EDAWH01  
333EDARH01  
333EDAGH01  
333EDABH01  
333EDAYH01

### FASTON TERMINALS

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



333EDARL11



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

333EDAWL11  
333EDARL11  
333EDAGL11  
333EDABL11  
333EDAYL11

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

333EDAWM11  
333EDARM11  
333EDAGM11  
333EDABM11  
333EDAYM11

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

333EDAWH11  
333EDARH11  
333EDAGH11  
333EDABH11  
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)

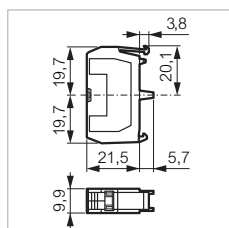
## CONTACT BLOCKS

### SCREW TERMINALS

Cat. No.



33E10



NO



**33E10**

NC



**33E01**

NO/NC



**33E11**

**Golden contacts  
for low current**

NO



**33E10Y7**

NC



**33E01Y7**

**Contact with delayed opening**

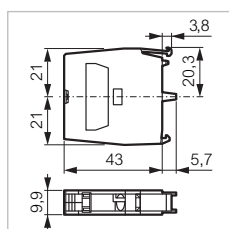
NC



**33E01C**



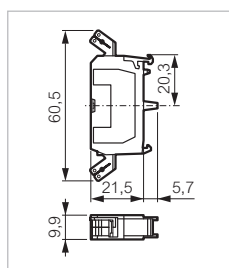
33E11



### FASTON TERMINALS



33D01



NO



**33D10**

NC

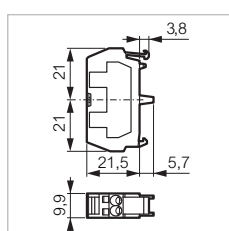


**33D01**

### PLUG-IN TERMINALS



33R01



NO



**33R10**

NC



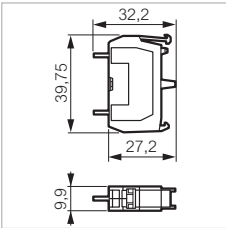
**33R01**

Separate units: Blocks

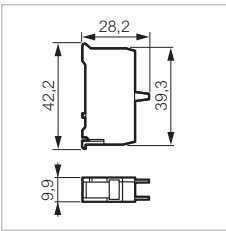
IP 20  
To be combined with a 1, 3 or 5 position clip (p. 65)

 Characteristics (p. 94)

▶ CONTACT BLOCKS (CONTINUED)

| FOR PCB (PIN-STYLE TERMINALS)                                                    |                                                                                   |                                    |                                                                                   | Cat. No.       |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|----------------|
|  |  | NO                                 |  | <b>33P10</b>   |
|                                                                                  |                                                                                   | NC                                 |  | <b>33P01</b>   |
|                                                                                  |                                                                                   | Golden contacts<br>for low current |                                                                                   |                |
|                                                                                  |                                                                                   | NO                                 |  | <b>33P10Y7</b> |
|                                                                                  |                                                                                   | NC                                 |  | <b>33P01Y7</b> |

FOR CONTROL STATIONS (SCREW TERMINALS)

|                                                                                    |                                                                                     |                                                          |                                                                                     |              |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|
|  |  | For un-equipped control stations (p. 86)<br>Base mounted |                                                                                     |              |
|                                                                                    |                                                                                     | NO                                                       |  | <b>33S10</b> |
|                                                                                    |                                                                                     | NC                                                       |  | <b>33S01</b> |
|                                                                                    |                                                                                     |                                                          |                                                                                     |              |

# Separate units: Blocks

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



Characteristics (p. 94)

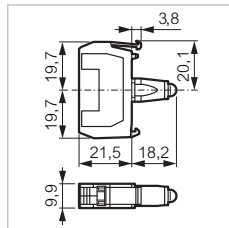
## ► LED BLOCKS

### SCREW TERMINALS

Cat. No.



33EARL



LED



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

**33EAWL**  
**33EARL**  
**33EAGL**  
**33EABL**  
**33EAYL**

#### 48 V

- White
- Red
- Green
- Blue
- Yellow

**33EAWL4**  
**33EARL4**  
**33EAGL4**  
**33EABL4**  
**33EAYL4**

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

**33EAWM**  
**33EARM**  
**33EAGM**  
**33EABM**  
**33EAYM**

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

**33EAWH**  
**33EARH**  
**33EAGH**  
**33EABH**  
**33EAYH**

# Separate units: Blocks

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

 Characteristics (p. 94)

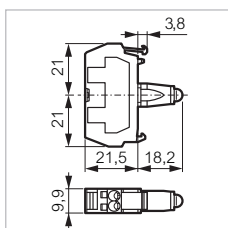
## ► LED BLOCKS (CONTINUED)

### PLUG-IN TERMINALS

Cat. No.



33RAGH



LED



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

**33RAWL**  
**33RARL**  
**33RAGL**  
**33RABL**  
**33RAYL**

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

**33RAWM**  
**33RARM**  
**33RAGM**  
**33RABM**  
**33RAYM**

#### 230 V

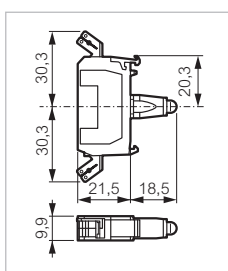
- White
- Red
- Green
- Blue
- Yellow

**33RAWH**  
**33RARH**  
**33RAGH**  
**33RABH**  
**33RAYH**

### FASTON TERMINALS



33DARL



LED



#### 24 V

- White
- Red
- Green
- Blue
- Yellow

**33DAWL**  
**33DARL**  
**33DAGL**  
**33DABL**  
**33DAYL**

#### 130 V

- White
- Red
- Green
- Blue
- Yellow

**33DAWM**  
**33DARM**  
**33DAGM**  
**33DABM**  
**33DAYM**

#### 230 V

- White
- Red
- Green
- Blue
- Yellow

**33DAWH**  
**33DARH**  
**33DAGH**  
**33DABH**  
**33DAYH**

# Separate units: Blocks

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



Characteristics (p. 94)

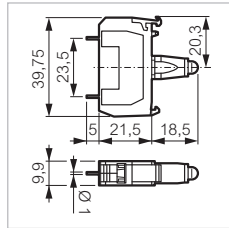
## ► LED BLOCKS (CONTINUED)

### FOR PCB (PIN STYLE)

Cat. No.



33PAWL



LED



24 V

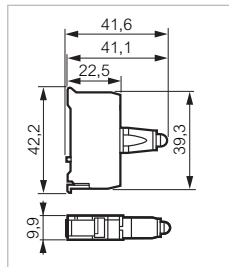
- White
- Red
- Green
- Blue
- Yellow

**33PAWL**  
**33PARL**  
**33PAGL**  
**33PABL**  
**33PAYL**

### FOR CONTROL STATIONS (SCREW TERMINALS)



33SAGH



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

LED



24 V

- White
- Red
- Green
- Blue
- Yellow

**33SAWL**  
**33SARL**  
**33SAGL**  
**33SABL**  
**33SAYL**

130 V

- White
- Red
- Green
- Blue
- Yellow

**33SAWM**  
**33SARM**  
**33SAGM**  
**33SABM**  
**33SAYM**

230 V

- White
- Red
- Green
- Blue
- Yellow

**33SAWH**  
**33SARH**  
**33SAGH**  
**33SABH**  
**33SAYH**

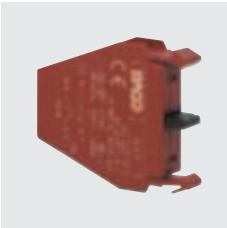
Separate units: Blocks

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

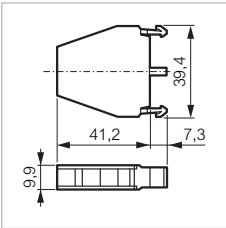
 Characteristics (p. 94)

 SPECIFIC BLOCKS

FOR JOYSTICKS (SCREW TERMINALS) Cat. No.



LM11



Joysticks (p. 36)

NO - NC

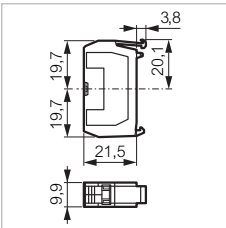


**LM11**

LAMP-TEST BLOCKS (SCREW TERMINALS)

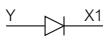


33ET



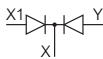
For 24 and 48 V

1 diod



**33ET**

2 diods



**33ETT**

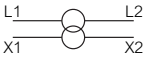
For 130 and 230 V (form p. 79)

TRANSFORMER BLOCKS (SCREW TERMINALS)

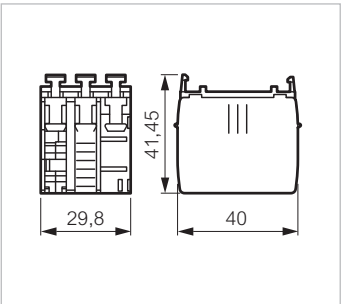


33EHC

230/24 V  
400/24V



**33EHC**  
**33ELC**



# Separate units: Blocks

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



Characteristics (p. 94)

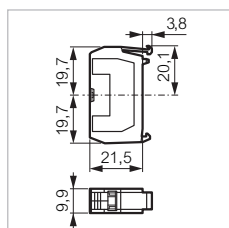
## SPECIFIC BLOCKS

### 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  
230 V

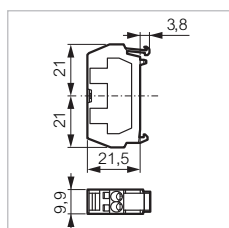


**33EFM**  
**33EFH**

### FILTER BLOCKS (PLUG-IN TERMINALS)



33RFH



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

130 V  
230 V

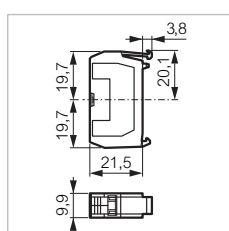


**33RFM**  
**33RFH**

### JUNCTION BLOCK (SCREW TERMINALS)



33EY



2 interconnected  
terminals

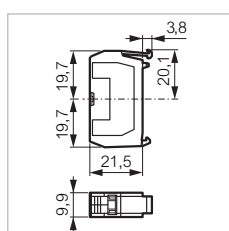


**33EY**

### EMPTY BLOCK



33EX



For empty positions on 3 or 5 position clip

**33EX**

# Accessories



Characteristics (p. 94)

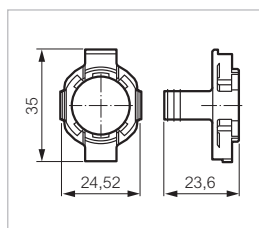
## CLIPS

### CLIPS

Cat. No.



331E



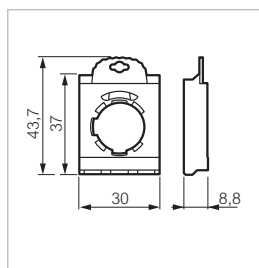
To be combined with blocks (p. 58 to 64)

1 position

**331E**



333E

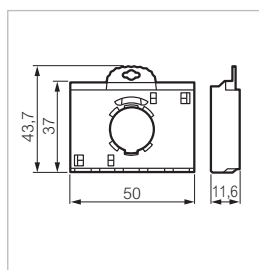


3 positions

**333E**



335E



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

**335E**

## ROUND LEGEND PLATE

### FOR MUSHROOM HEAD

Cat. No.



LWE16300

Yellow, black engraving

**$\varnothing 60$**

ARRET D'URGENCE

NOT AUS

EMERGENCY STOP

**LWE16100**

**LWE16200**

**LWE16300**

**$\varnothing 80$**

ARRET D'URGENCE

NOT AUS

EMERGENCY STOP

**LWE00100**

**LWE00200**

**LWE00300**

Other languages (form p. 79)

# Accessories ø 22



Characteristics (p. 94)

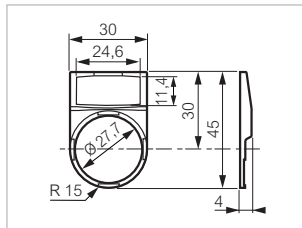
## ► COMPLETE FRAMES

### 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
- Red
- Alu
- Black

**LWP35**  
**LWP31**  
**LWP39**  
**LWP33**

#### On demand engraving (p. 70)

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

- White
- Red
- Alu
- Black

LWP35□□□  
LWP31□□□  
LWP39□□□  
LWP33□□□

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

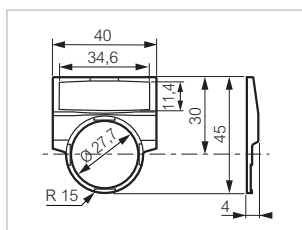
- Transparent

**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
- Red
- Alu
- Black

**LWG35**  
**LWG31**  
**LWG39**  
**LWG33**

#### On demand engraving (p. 70)

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

- White
- Red
- Alu
- Black

LWG35□□□  
LWG31□□□  
LWG39□□□  
LWG33□□□

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

- Transparent

**LWG37**

## Accessories ø 22



Characteristics (p. 94)

## ► LEGEND PLATES

## TO BE ENGRAVED

## Standard model

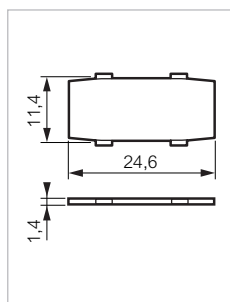
Cat. No.



LIA5



LIA1



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

**Without engraving**

- ☐ White
- ☒ Red
- ☐ Alu
- ☒ Black

LIA5  
LIA1  
LIA9  
LIA3

**On demand engraving (p. 70)**

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

- ☐ White - black engraving
- ☒ Red - white engraving
- ☐ Alu - black engraving
- ☒ Black - white engraving

LIA5□□□  
LIA1□□□  
LIA9□□□  
LIA3□□□

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

- ☐ Transparent

LIA7

## TO BE ENGRAVED

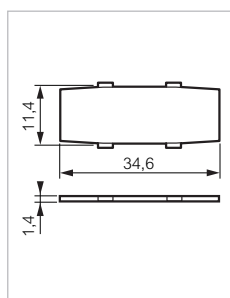
## Large model



LIB9



LIB3



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

**Without engraving**

- ☐ White
- ☒ Red
- ☐ Alu
- ☒ Black

LIB5  
LIB1  
LIB9  
LIB3

**On demand engraving (p. 70)**

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

- ☐ White - black engraving
- ☒ Red - white engraving
- ☐ Alu - black engraving
- ☒ Black - white engraving

LIB5□□□  
LIB1□□□  
LIB9□□□  
LIB3□□□

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

- ☐ Transparent

LIB7

# Accessories ø 22



Characteristics (p. 94)

## ► LEGEND PLATES

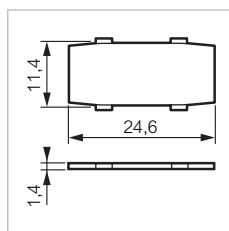
### ENGRAVED

#### Small model

Cat. No.



LIA9081



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

#### With standard engraving

|             |                |
|-------------|----------------|
| O-I         | <b>LIA9081</b> |
| I-II        | <b>LIA9082</b> |
| I-O-II      | <b>LIA9091</b> |
| MANU-O-AUTO | <b>LIA9191</b> |
| HAND-O-AUTO | <b>LIA9291</b> |
| START       | <b>LIA9301</b> |
| ON          | <b>LIA9303</b> |
| OFF         | <b>LIA9304</b> |
| RESET       | <b>LIA9315</b> |
| RUN         | <b>LIA9327</b> |
| HAND-AUTO   | <b>LIA9383</b> |

#### On demand engraving (p. 70)

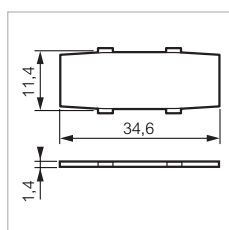
Symbol code to be added at the end of the catalogue number **LIA9□□□**

### ENGRAVED

#### Large model



LIB9382



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

|           |                |
|-----------|----------------|
| OFF-ON    | <b>LIB9382</b> |
| O-I-START | <b>LIB9093</b> |

# Accessories ø 22



Characteristics (p. 94)

## FRAMES

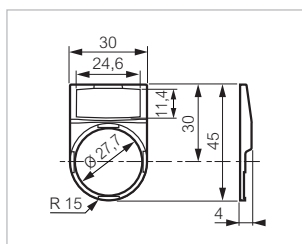
### ROUND

#### Standard model

Cat. No.



LWP3



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

● Black

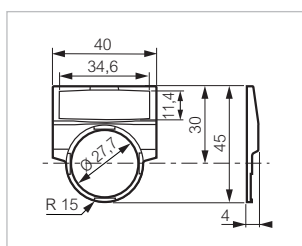
**LWP3**

### ROUND

#### Large model



LWG3



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

● Black

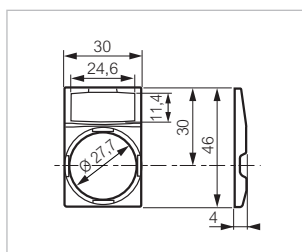
**LWG3**

### SQUARE

#### Standard model



LWP4



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

● Black

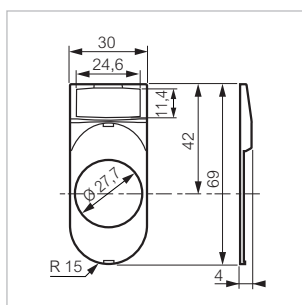
**LWP4**

### FOR DOUBLE AND TRIPLE TOUCH

#### Standard model



LWP2



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

● Black

**LWP2**

# 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

|           |     |
|-----------|-----|
| O-I       | 081 |
| I-II      | 082 |
| I-O-II    | 091 |
| I-II-III  | 092 |
| O-I-START | 093 |
| O-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 |
| BREMSSEN   | 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-O-AUTO  | 291 |
| ZURÜCK-O-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 -O- ARRIÈRE | 192 |
| C.P.C.-NORMAL     | 184 |
| HORS-EN           | 182 |
| MANU-AUTO         | 183 |
| MANU -O- 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<br>ISO 1                 |    | A01      |
| Alternating straight-line movement<br>ISO 5                |    | A05      |
| Continuous rotating movement clockwise<br>ISO 7A - DIN 100 |    | A07      |
| Continuous rotating mov. anti-clockwise<br>ISO 7B          |    | B07      |
| Forward<br>ISO 16                                          |    | A16      |
| Increase in value<br>ISO 28                                |    | A28      |
| Decrease in value<br>ISO 29                                |   | A29      |
| Adjustable<br>ISO 62                                       |  | A62      |
| Clamp, block apply pressure<br>ISO 63A                     |  | A63      |
| Clamp, block apply pressure<br>ISO 63B                     |  | B63      |
| Unclamp, release<br>ISO 64A                                |  | A64      |
| Unclamp, release<br>ISO 64B                                |  | B64      |
| Brake<br>ISO 65                                            |  | A65      |
| Release brake<br>ISO 66                                    |  | A66      |
| Automatic cycle (or semi-automatic)<br>ISO 67              |  | A67      |
| Manual control<br>ISO 68                                   |  | A68      |
| "ON" close circuit<br>ISO 69                               |  | A69      |
| "STOP" close circuit<br>ISO 70                             |  | A70      |
| ON/OFF close + open circuit<br>ISO 71                      |  | A71      |
| Close circuit manual impulse<br>ISO 72                     |  | A72      |
| Clutch<br>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<br>ISO 75 - DIN 45                   |    | A75      |
| Warning "live" (energized)<br>ISO 92 - DIN 131 |    | A92      |
| Main switch<br>ISO 94                          |    | A94      |
| Lubrication jet<br>ISO 101                     |    | C01      |
| Machine lighting<br>ISO 102 - DIN 139          |    | C02      |
| Greasing<br>ISO 107 - DIN 175                  |    | C07      |
| Blow<br>ISO 108 - DIN 263                      |    | C08      |
| Suction<br>ISO 109 - DIN 264                   |  | C09      |
| Sound alarm<br>DIN 155                         |  | D01      |

## ADDITIONAL STANDARD SYMBOLS

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

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

● Green opaque

● Black opaque

**LWA0203**

**LWA0204**

**LWA0205**

#### FOR PUSH-BUTTONS FLUSH



LWA0253

For spring return or stay-put buttons

○ Transparent

**LWA0255**

For non illuminated spring return buttons

● Red opaque

● Green opaque

● Black opaque

**LWA0251**

**LWA0252**

**LWA0253**

#### DOUBLE TOUCH



LWA0223

For double touch flush-projecting and triple touch

○ Transparent

**LWA0223**

# Accessories ø 22

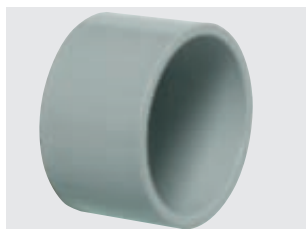


Characteristics (p. 94)

## ► 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.       |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------|
|  | <p>For one-piece pilot light with direct supply<br/>Bulb BA9S (see p. 45)</p> <p>Neon 230 V<br/>For red, yellow, white pilot light</p> | <b>LWDN230</b> |

| BULB EXTRACTOR                                                                    |                |                |
|-----------------------------------------------------------------------------------|----------------|----------------|
|  | For BA9S bulbs | <b>LWA0201</b> |

| ANTI-ROTATION RING                                                                 |                       |                |
|------------------------------------------------------------------------------------|-----------------------|----------------|
|  | For selector switches | <b>LWA0237</b> |

| BLANKING PLUG                                                                      |                                                                           |                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------|
|  | <ul style="list-style-type: none"> <li>● Black</li> <li>● Grey</li> </ul> | <b>LWA0229</b><br><b>LWA0215</b> |

# 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

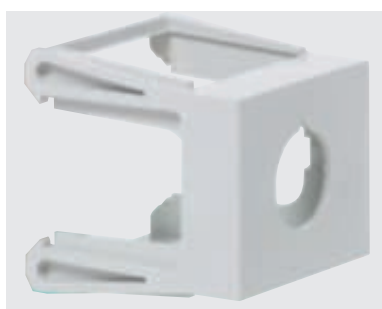
● Grey

**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**

## ▶ BLOCKS AND CLIPS

**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)

☐ Baqs

**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

**Type of block**

☐ NO  
☐ NC  
☐ NO/NC  
☐ Transformer  
☐ Filter  
☐ Junction  
☐ Empty  
☐ Lamp-test  
☐ 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: .....

[illegible]

### ▶ 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)

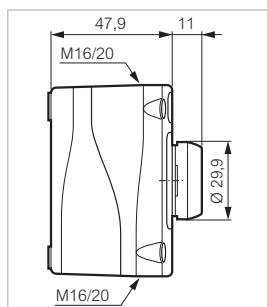
### ► CONTROL STATIONS WITH 1 BUTTON - NON ILLUMINATED

#### SPRING RETURN - FLUSH

Cat. No.



LBX10110



● Green

NO

$\frac{13}{21} \quad \frac{14}{22}$

#### Marking

ⓘ

**LBX10110**

● Red

NC

$\frac{21}{21} \quad \frac{22}{22}$

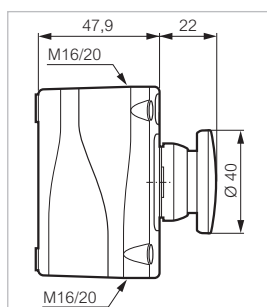
⊙

**LBX10610**

#### MUSHROOM HEAD ø 40 - SPRING RETURN



LBX10210



● Red

NC

$\frac{21}{21} \quad \frac{22}{22}$

#### Marking

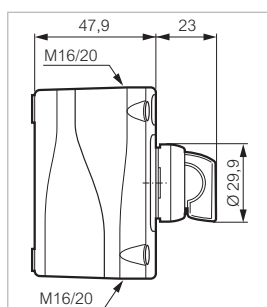
⊙

**LBX10210**

#### SELECTOR SWITCH - WITH HANDLE



LBX12510



2 stay-put positions - 45°

● Black

NO

$\frac{13}{21} \quad \frac{14}{22}$

#### Marking

○

**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)

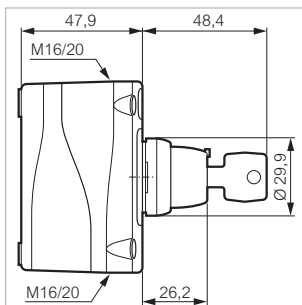
## ► CONTROL STATIONS WITH 1 BUTTON (CONTINUED)

### SELECTOR SWITCH - WITH KEY

Cat. No.



LBX12610



Supplied with 2 keys profile n° 455

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

● Black NO 13 14

#### Marking

○  
I

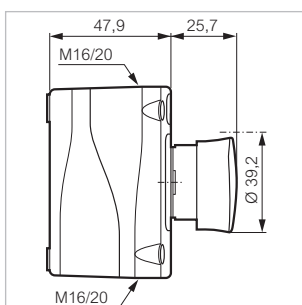
LBX12610

### MUSHROOM HEAD ø 40 - STAY-PUT

Push-turn to reset



LBX10510



● Red NC 21 22  
● Red NC 21 22  
● Red NC 21 22

ARRÊT D'URGENCE  
NOT AUS  
EMERGENCY STOP

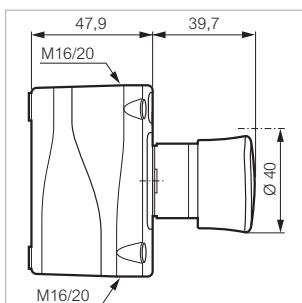
LBX10310  
LBX10410  
LBX10510

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  
● Red 2 NC 11 12 21 22  
  
● Red NC 21 22  
● Red 2 NC 11 12 21 22  
  
● Red NC 21 22  
● Red 2 NC 11 12 21 22

ARRÊT D'URGENCE  
ARRÊT D'URGENCE  
  
NOT AUS  
NOT AUS  
  
EMERGENCY STOP  
EMERGENCY STOP

LBX17101  
LBX17102  
  
LBX17201  
LBX17202  
  
LBX17301  
LBX17302

Contact blocks fixed behind cover (form p. 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 and mounting (form p. 90)



Characteristics (p. 94)

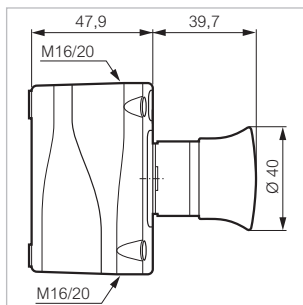
## ► CONTROL STATIONS WITH 1 BUTTON (CONTINUED)

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

Cat. No.



LBX15101



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

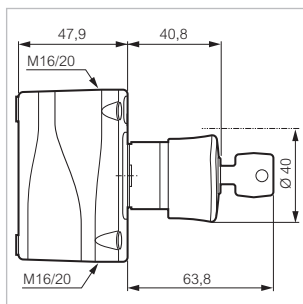
|       |      |  |                 |          |
|-------|------|--|-----------------|----------|
| ● Red | NC   |  | ARRÊT D'URGENCE | LBX15101 |
| ● Red | 2 NC |  | ARRÊT D'URGENCE | LBX15102 |
| ● Red | NC   |  | NOT AUS         | LBX15201 |
| ● Red | 2 NC |  | NOT AUS         | LBX15202 |
| ● Red | NC   |  | EMERGENCY STOP  | LBX15301 |
| ● Red | 2 NC |  | 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

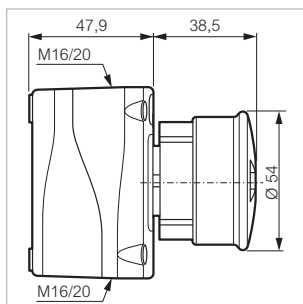
|       |      |  |                 |          |
|-------|------|--|-----------------|----------|
| ● Red | NC   |  | ARRÊT D'URGENCE | LBX11101 |
| ● Red | 2 NC |  | ARRÊT D'URGENCE | LBX11102 |
| ● Red | NC   |  | NOT AUS         | LBX11201 |
| ● Red | 2 NC |  | NOT AUS         | LBX11202 |
| ● Red | NC   |  | EMERGENCY STOP  | LBX11301 |
| ● Red | 2 NC |  | 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   |  | STOP - ① | LBX14201 |
| ● Red | 2 NC |  | STOP - ① | LBX14202 |

Contact blocks fixed behind cover (form p. 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 and mounting (form p. 90)

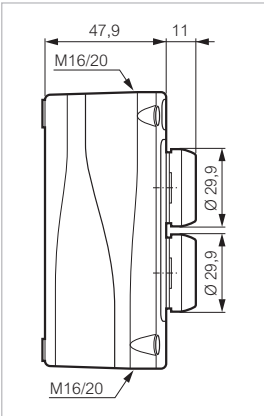
 Characteristics (p. 94)

▶ CONTROL STATIONS WITH 2 BUTTONS

SPRING RETURN - FLUSH Cat. No.



LBX20120



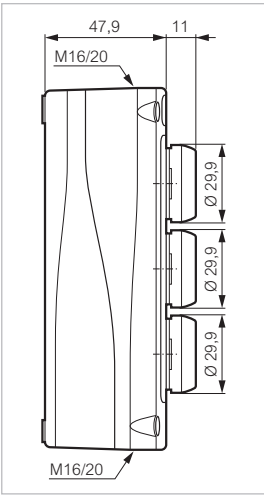
| Marking |    |                                                                                   |                                                                                     | Cat. No.        |
|---------|----|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|
| ● Green | NO |  |  |                 |
| ● Red   | NC |                                                                                   |  | <b>LBX20120</b> |

▶ CONTROL STATIONS WITH 3 BUTTONS

SPRING RETURN - FLUSH Cat. No.



LBX30430



|         |    |                                                                                     |                                                                                       |                 |
|---------|----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|
| ● Green | NO |  |  | <b>LBX30430</b> |
| ● Red   | NC |                                                                                     |  |                 |
| ● Green | NO |                                                                                     |  |                 |

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

Cat. No.

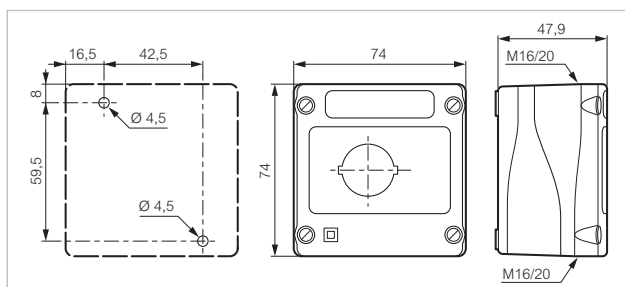


LBX0100J

#### Black base

- Grey cover
- Yellow cover

**LBX0100**  
**LBX0100J**



### 2 HOLES

Cat. No.

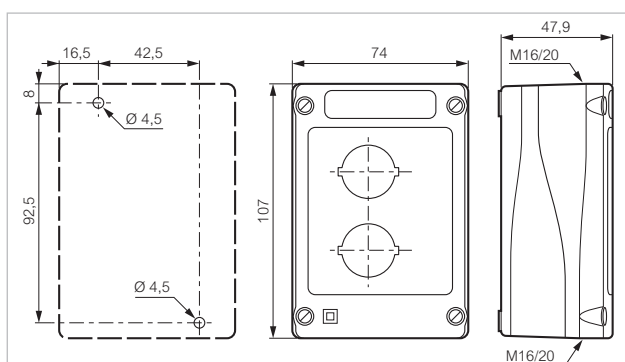


LBX0200

#### Black base

- Grey cover
- Yellow cover

**LBX0200**  
**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.

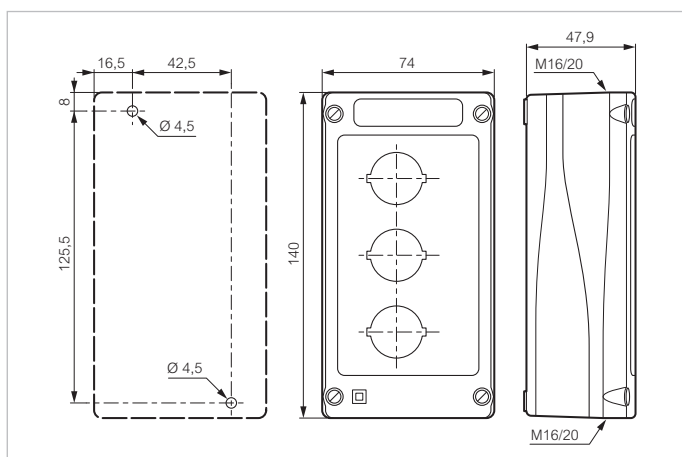


LBX0300

**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.

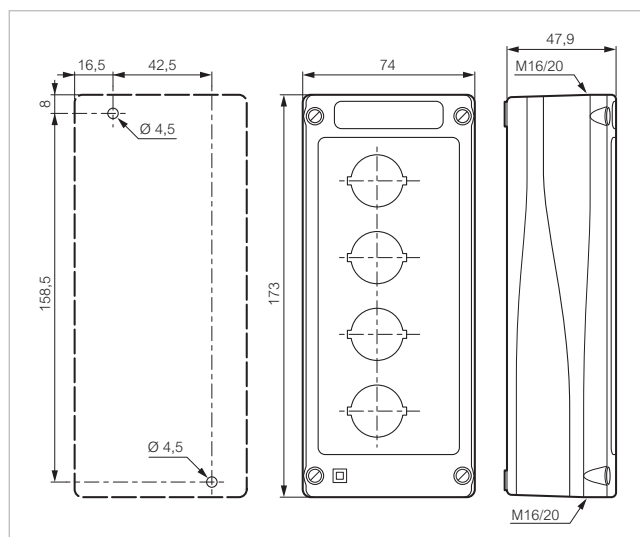


**Black base**

● Grey cover

**LBX0400**

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.

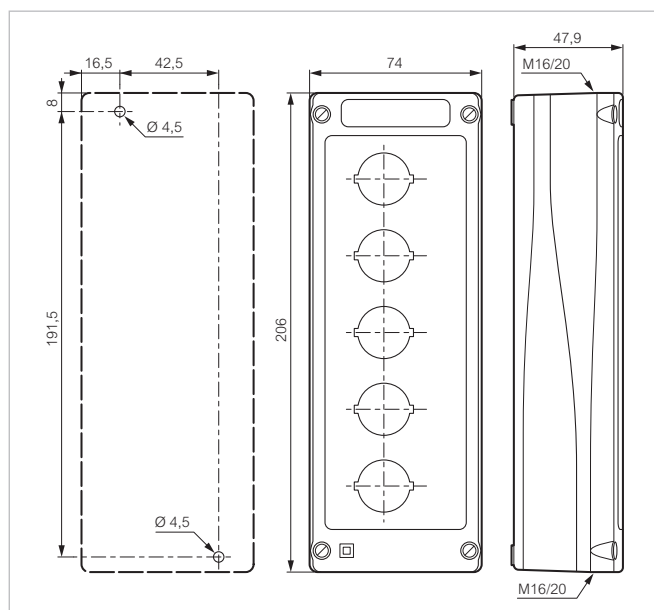


**Black base**

● Grey cover

**LBX0500**

LBX0500



**Mounting:** ☐ horizontal ☐ vertical

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

|   |                                                                                   |    |                                                                                   |    |                                                                                   |   |                                                  |    |                                  |
|---|-----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------|---|--------------------------------------------------|----|----------------------------------|
| 1 |  | 8  |  | 13 |  | 1 | Spring return flush                              | 8  | Mushroom head push-turn stay-put |
| 2 |  | 9  |  | 14 |  | 2 | Push-push stay-put flush                         | 9  | Mushroom head with key           |
| 3 |  | 10 |  | 15 |  | 3 | Spring return projecting                         | 10 | Selector switch with handle      |
| 4 |  | 11 |  | 16 |  | 4 | Push-push stay-put projecting                    | 11 | Selector switch with long handle |
| 5 |  |    |                                                                                   |    |                                                                                   | 5 | Mushroom head spring return                      |    |                                  |
| 6 |  |    |                                                                                   |    |                                                                                   | 6 | Mushroom head push-pull stay-put                 |    |                                  |
| 7 |  |    |                                                                                   |    |                                                                                   | 7 | Mushroom head Ø 54 push-pull with flag indicator |    |                                  |

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

|                                                                                     |                                                                                     |                                                            | Colour                                                  |       |     |     |       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|-------|-----|-----|-------|
|                                                                                     | <input type="checkbox"/> On head                                                    | <input type="checkbox"/> On control station <sup>(1)</sup> | <input type="checkbox"/> On legend plate <sup>(2)</sup> | BLACK | RED | ALU | WHITE |
|  |  |                                                            |                                                         |       |     |     |       |
|  |  |                                                            |                                                         |       |     |     |       |
|  |  |                                                            |                                                         |       |     |     |       |
|  |  |                                                            |                                                         |       |     |     |       |
|  |  |                                                            |                                                         |       |     |     |       |

Specify the concerned buttons: .....

Company: .....

.....

.....

Name and surname: .....

.....

Address: .....

.....

.....

E-mail : .....

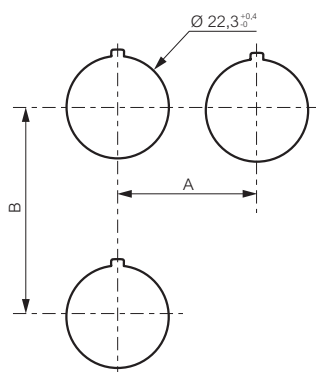
Tel.: .....

Fax: .....

### COMMENTS

# Panel cut-out

## DRILLING

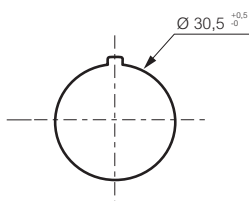


For heads equipped with electrical blocks with screw or plug-in terminals

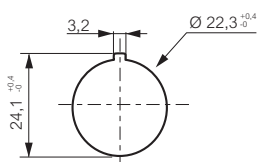
### Minimum interval (mm)

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

## DRILLING FOR SUPER-FLUSH BUTTON

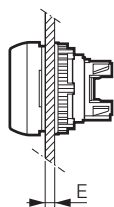


## DRILLING WHEN USING THE ANTI-ROTATION RING (OPTIONAL)



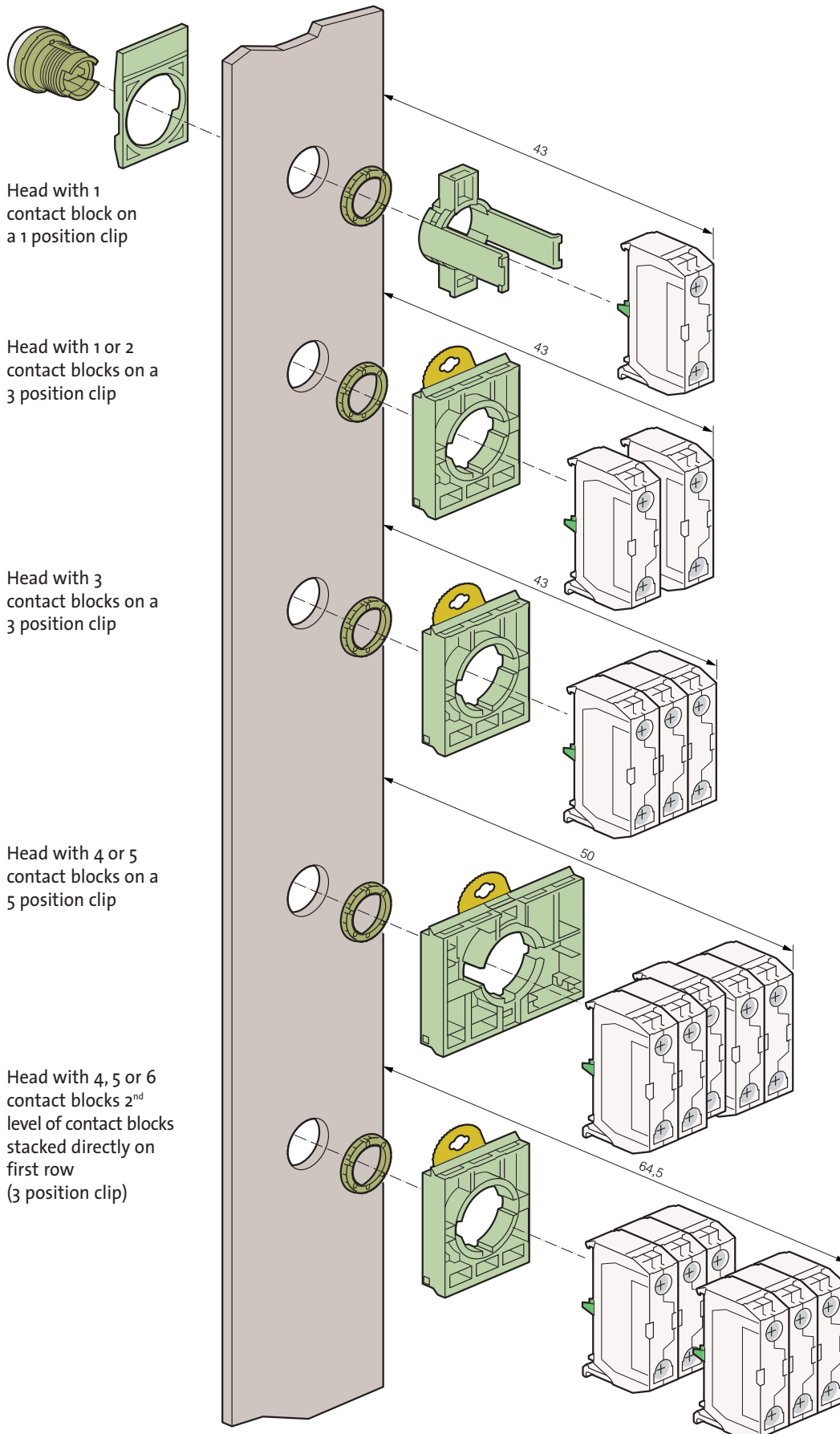
## THICKNESS OF PANEL (E)

E = 1 to 6 mm



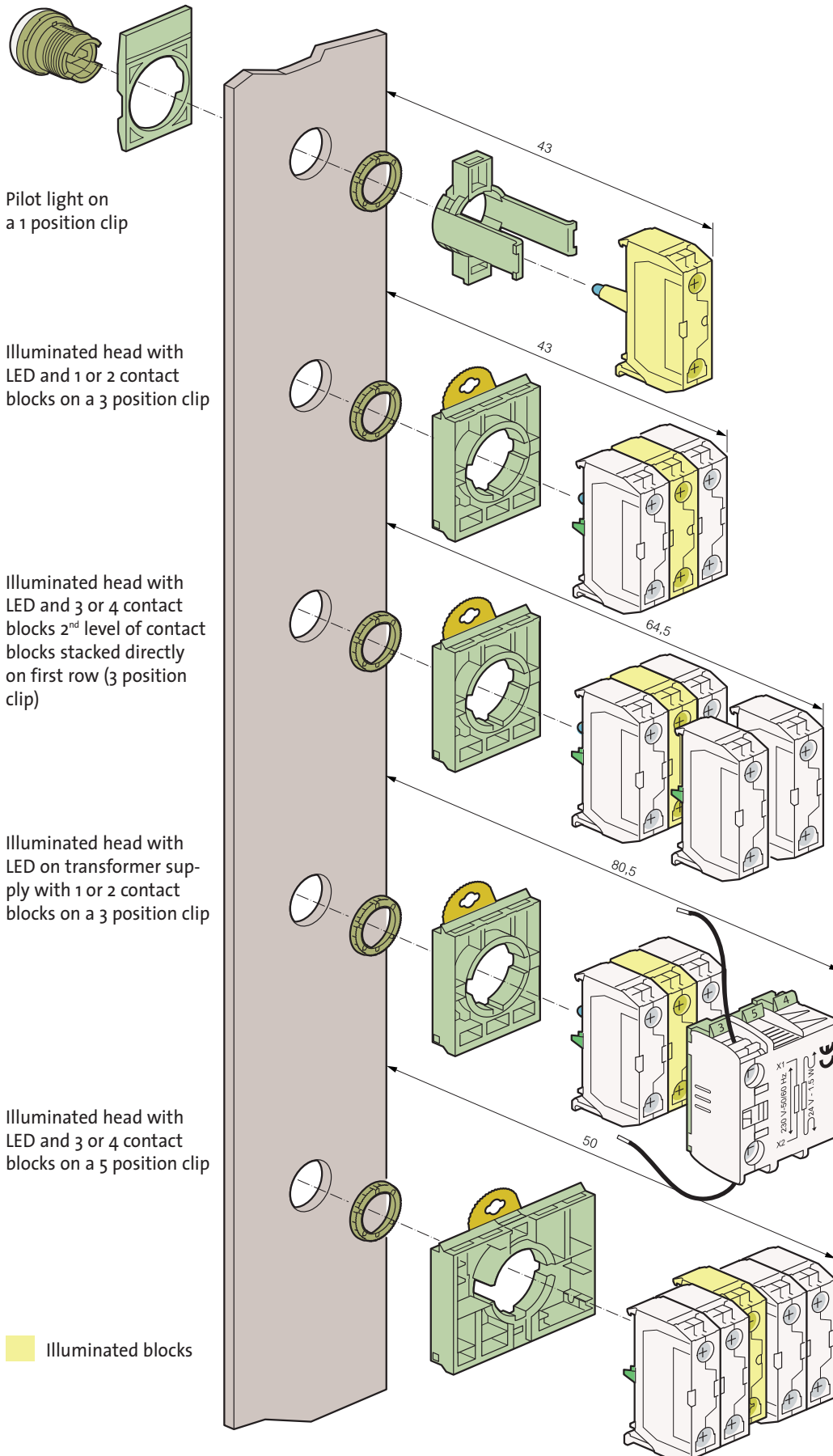
# Mounting blocks $\varnothing 22$

NON ILLUMINATED



# Mounting blocks ø 22

## ILLUMINATED



# 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<br>Cyclic damp heat<br>Resistance to sea air                                                                                                                                                                                         | IEC 60068-2-3<br>IEC 60068-2-30<br>IEC 60068-2-52                                   |
| ► Degree of protection                  | IP 66 for standard heads<br>IP 67 for shrouded heads<br>IP 66 for equipped control stations<br>IP 20 at the rear of the panel for contact blocks<br>and one piece pilot lights<br>Type 1, 2, 3, 3R, 3S, 4, 4X, 12, and 13 for heads and control stations | IEC 60529<br><br><br><br><br>NEMA standard                                          |
| ► Protection against mechanical impacts | IK 05 illuminated and non illuminated heads<br>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<br>terminals: max. 1.2 N.m                                                                                                                                                                                               |                                                                                     |
| ► Approvals                             | UL United states and Canada<br>BV Bureau Véritas<br>Certification OC/CB                                                                                                                                                                                  | UL 508, CSA 22.2<br>Marine rules<br>IEC 60947-5-1<br>IEC 60947-5-5<br>IEC 60947-5-4 |
| ► Vibrations                            | withstand vibration<br>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<br>600 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                      | IEC 60947-1<br>UL 508 |
| ▶ NC contacts                                                | Positive opening                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                      | IEC 60947-5-1         |
| ▶ Rated impulse voltage U <sub>imp</sub><br>Pollution degree | 6kV<br>3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |
| ▶ Conventional thermal current in free air conditions        | AC15: 10 A<br>DC13: 2,5 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                      | IEC 60947-5-1         |
| ▶ Electrical ratings                                         | <b>Alternating current</b><br>AC15 - A 600<br>U <sub>e</sub> = 120 V, I <sub>e</sub> = 6 A<br>U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A<br>U <sub>e</sub> = 380 V, I <sub>e</sub> = 1,9 A<br>U <sub>e</sub> = 480 V, I <sub>e</sub> = 1,5 A<br>U <sub>e</sub> = 500 V, I <sub>e</sub> = 1,4 A<br>U <sub>e</sub> = 600 V, I <sub>e</sub> = 1,2 A<br><br><b>Minimum operating current</b><br>- standard blocks<br>U <sub>e</sub> = 24 V DC and I <sub>e</sub> = 5 mA<br>Failure rate < 10 <sup>-8</sup> | <b>Direct current</b><br>DC13 - Q 600<br>U <sub>e</sub> = 125 V, I <sub>e</sub> = 0,55 A<br>U <sub>e</sub> = 250 V, I <sub>e</sub> = 0,27 A<br>U <sub>e</sub> = 400 V, I <sub>e</sub> = 0,15 A<br>U <sub>e</sub> = 500 V, I <sub>e</sub> = 0,13 A<br>U <sub>e</sub> = 600 V, I <sub>e</sub> = 0,1 A<br><br>- golden contacts<br>U <sub>e</sub> = 5 V DC and I <sub>e</sub> = 1 mA<br>Failure rate < 10 <sup>-8</sup> | IEC 60947-5-1         |
| ▶ Electrical operating life                                  | <b>1 million cycles for:</b><br>- AC15 - B 300<br>U <sub>e</sub> = 120 V, I <sub>e</sub> = 3 A<br>U <sub>e</sub> = 240 V, I <sub>e</sub> = 1,5 A                                                                                                                                                                                                                                                                                                                                                         | - DC13 - R 300<br>U <sub>e</sub> = 125 V, I <sub>e</sub> = 0,22 A<br>U <sub>e</sub> = 250 V, I <sub>e</sub> = 0,1 A                                                                                                                                                                                                                                                                                                  |                       |
| ▶ Applicable wire sizes                                      | Rigid or flexible wire without ferrule: 0,5 mm <sup>2</sup> to 2 x 2,5 mm <sup>2</sup><br>Rigid or flexible wire with ferrule: 0,5 mm <sup>2</sup> to 2 x 1,5 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |

| Faston connection                                                         | Data                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                        | Standards             |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| ▶ Rated insulation voltage                                                | 320 V AC<br>300 V AC                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                        | IEC 60947-1<br>UL 508 |
| ▶ NC contacts                                                             | Positive opening                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                        | IEC 60947-5-1         |
| ▶ Rated impulse withstanding voltage U <sub>imp</sub><br>Pollution degree | 6 kV<br>3                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                        |                       |
| ▶ Conventional thermal current in free air conditions                     | AC 15: 10 A<br>DC 13: 2,5 A                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                        | IEC 60947-5-1         |
| ▶ Electrical ratings                                                      | <b>Alternating current</b><br>AC15 - A 300<br>U <sub>e</sub> = 120 V, I <sub>e</sub> = 6 A<br>U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A<br><br><b>Minimum current of use</b><br>U <sub>e</sub> = 24 V DC and I <sub>e</sub> = 5 mA<br>Failure rate < 10 <sup>-8</sup> | <b>Direct current</b><br>DC13 - Q 300<br>U <sub>e</sub> = 125 V, I <sub>e</sub> = 0,55 A<br>U <sub>e</sub> = 250 V, I <sub>e</sub> = 0,27 A<br><br>- DC13 - R 300<br>U <sub>e</sub> = 125 V, I <sub>e</sub> = 0,22 A<br>U <sub>e</sub> = 250 V, I <sub>e</sub> = 0,1 A | IEC 60947-5-1         |
| ▶ Electrical operating life                                               | <b>1 million cycles for:</b><br>- AC15 - B 300<br>U <sub>e</sub> = 120 V, I <sub>e</sub> = 3 A<br>U <sub>e</sub> = 240 V, I <sub>e</sub> = 1,5 A                                                                                                                         | - DC13 - R 300<br>U <sub>e</sub> = 125 V, I <sub>e</sub> = 0,22 A<br>U <sub>e</sub> = 250 V, I <sub>e</sub> = 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<br>250 V AC                                                                                                |                                                                                            | IEC 60947-1<br>UL 508          |
| ▶ NC contacts                                                 | Positive opening                                                                                                    |                                                                                            | IEC 60947-5-1                  |
| ▶ Rated impulse withstanding voltage Uimp<br>Pollution degree | 4 kV<br>3                                                                                                           |                                                                                            |                                |
| ▶ Conventional thermal current in free air conditions         | AC 15: 5 A<br>DC 13: 1 A                                                                                            |                                                                                            | IEC 60947-5-1                  |
| ▶ Electrical ratings                                          | <b>Alternating current</b><br>AC 15 - B 300<br>Ue = 120 V, Ie = 3 A<br>Ue = 240 V, Ie = 1,5 A                       | <b>Direct current</b><br>DC13 - R 300<br>Ue = 125 V, Ie = 0,22 A<br>Ue = 250 V, Ie = 0,1 A | IEC 60947-5-1<br>IEC 60947-5-4 |
|                                                               | <b>Minimum current of use</b><br>- standard blocks<br>Ue = 24 V DC and Ie = 5 mA<br>Failure rate < 10 <sup>-8</sup> | - golden contacts<br>Ue = 5 V DC and Ie = 1 mA<br>Failure rate < 10 <sup>-8</sup>          |                                |
| ▶ Electrical operating life                                   | <b>1 million cycles for:</b><br>- AC15 - B 300<br>Ue = 120 V, Ie = 3 A<br>Ue = 240 V, Ie = 1,5 A                    | - DC13 - R 300<br>Ue = 125 V, Ie = 0,22 A<br>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<br>Pollution degree | 4 kV (with filter block see p. 64)<br>3                                                               | IEC 60947-1   |
| ▶ Operating voltage                              | 12 to 24 V AC/DC<br>48 V AC/DC (for LED block)<br>130 V AC<br>230 V AC                                |               |
| ▶ Frequency                                      | 50 or 60 Hz                                                                                           |               |
| ▶ Lifetime at rated supply voltage               | Red and yellow: 100 000 hours at 25 °C<br>Other colours: 50 000 hours at 25 °C                        |               |
| ▶ Consumption of LED blocks                      | Voltage:<br>- 24 V: 25 mA ± 20%<br>- 48 V: 15 mA ± 5%<br>- 130 V: 20 mA ± 10%<br>- 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.<br>240 V max. - 2,6 W max. | IEC 60947-5-1<br>UL 508 |

## ▶ HEADS

| Characteristics                            | Data                                                                                                                                                                                                                                                                                                                 | Standards |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| ▶ Mechanical endurance (in million cycles) | Spring return: 5<br>Push-push: 0,5<br>Selector switches: 0,3<br>Mushroom head maintained function EN 418/ISO 13850: 0,10<br>Mushroom head maintained function: 0,15                                                                                                                                                  |           |
| ▶ Activation force in N                    | Spring return + NO: 6,5<br>Spring return + NC: 4,5<br>Additional NO contact: 4,5<br>Additional NC contact: 3,0<br>Push-pull mushroom head + NO + NC: 27<br>Push-turn mushroom head + NO + NC: 22<br>Push-pull mushroom head EN 418/ISO 13850 + NO + NC: 37<br>Push-turn mushroom head EN 418/ISO 13850 + NO + NC: 60 |           |
| ▶ Activation force in Nm                   | Selector switch + NO: 0,04<br>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

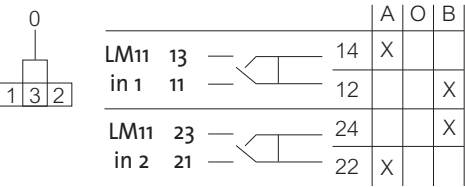
Operated block



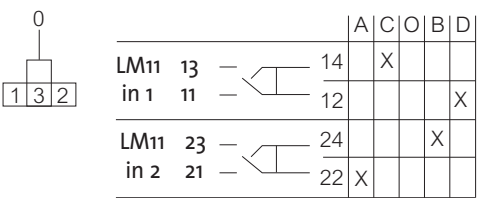
## MECHANICAL OPERATION

For Joysticks

2 positions

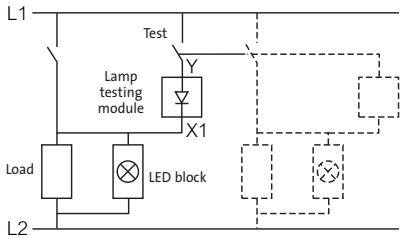


4 positions

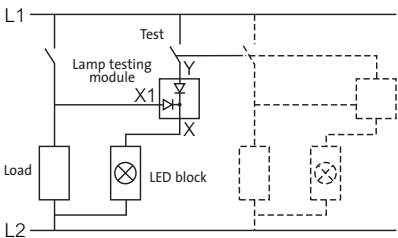


## PUSH-TO-TEST LED PILOT LIGHT DIAGRAMS

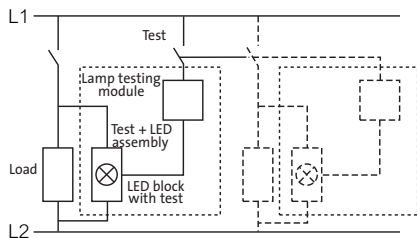
Lamp-testing module with  
1 diode (33ET) for direct  
supply 24 V and 48 V



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



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



## PRINTED CIRCUIT BOARD MOUNTING

