

# Complete units: Part Numbering System

## ► NON ILLUMINATED COMPLETE UNITS

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

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

*a*

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

*b*

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

*c*

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

*d*


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

*e*

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

# 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)  
 Cross reference list (p. 311)

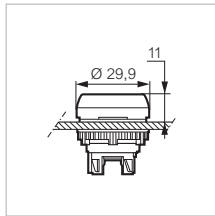
## ► PUSH-BUTTONS - NON ILLUMINATED

### 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. 79)

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)



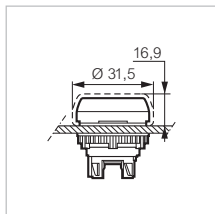
L21AA00

### 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 $\varnothing$ 22: Heads

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 Characteristics (p. 94)  
 Cross reference list (p. 311)

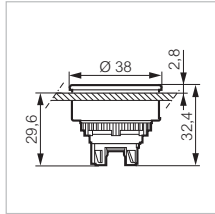
## ► PUSH-BUTTONS - NON ILLUMINATED (CONTINUED)

### SPRING RETURN - SUPER FLUSH

Cat. No.



L23AA02



Metallic chrome bezel  
 Cut-out  $\varnothing$  30

**Without engraving**

- |          |                |
|----------|----------------|
| ● Red    | <b>L23AA01</b> |
| ● Green  | <b>L23AA02</b> |
| ● Black  | <b>L23AA03</b> |
| ● Yellow | L23AA04        |
| ○ White  | L23AA05        |
| ● Blue   | L23AA06        |

**With engraving**

- |         |         |
|---------|---------|
| ● Red   | L23AA81 |
| ● Green | L23AA82 |

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

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

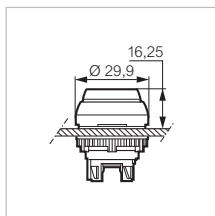
- |          |         |      |
|----------|---------|------|
| ● Red    | L23AA31 | □□□□ |
| ● Green  | L23AA32 | □□□□ |
| ● Black  | L23AA33 | □□□□ |
| ● Yellow | L23AA34 | □□□□ |
| ○ White  | L23AA35 | □□□□ |
| ● Blue   | L23AA36 | □□□□ |

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

### SPRING RETURN - PROJECTING



L21AB01



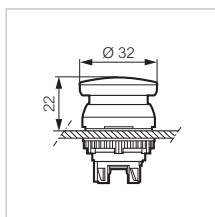
- |          |                |
|----------|----------------|
| ● Red    | <b>L21AB01</b> |
| ● Green  | <b>L21AB02</b> |
| ● Black  | <b>L21AB03</b> |
| ● Yellow | <b>L21AB04</b> |
| ○ White  | <b>L21AB05</b> |
| ● Blue   | <b>L21AB06</b> |

### SPRING RETURN - MUSHROOM HEAD $\varnothing$ 32

Push




L21AC03



- |          |                |
|----------|----------------|
| ● Red    | <b>L21AC01</b> |
| ● Green  | <b>L21AC02</b> |
| ● Black  | <b>L21AC03</b> |
| ● Yellow | L21AC04        |

# Separate units $\varnothing$ 22: Heads

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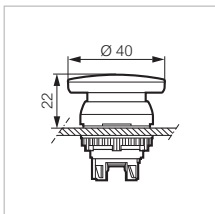
 Characteristics (p. 94)  
 Cross reference list (p. 311)

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

### SPRING RETURN - MUSHROOM HEAD $\varnothing$ 40

Push

Cat. No.



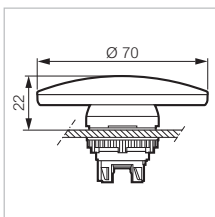
- Red
- Green
- Black
- Yellow

**L21AD01**  
**L21AD02**  
**L21AD03**  
**L21AD04**

L21AD01

### SPRING RETURN - MUSHROOM HEAD $\varnothing$ 70

Push



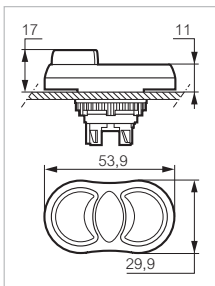
- Red
- Black

**L21AE01**  
**L21AE03**

L21AE03

### SPRING RETURN - FLUSH-PROJECTING

Double touch



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

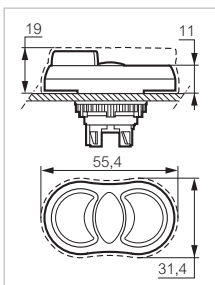
**L61QB21**

**L61QB21B**

L61QB21

### SPRING RETURN - FLUSH-PROJECTING

Double touch - reinforced degree of protection: IP 67



Supplied with transparent shroud


- Green
- Red

**L62QM21**

L61QM21

# Separate units ø 22: Heads

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 Cross reference list (p. 311)

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

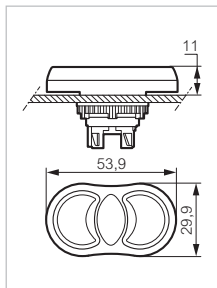
### SPRING RETURN - FLUSH-FLUSH









#### Double touch

Cat. No.



L61QA21



-  Green
-  Red
-  Green engraving <|
-  Green engraving >|
-  Green
-  Green
-  Black
-  Black

**L61QA21**

L61QA22

L61QA22K

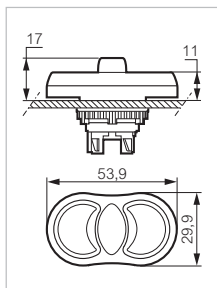
L61QA33C







### SPRING RETURN - FLUSH-PROJECTING-FLUSH

#### Triple touch



L61BA22



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

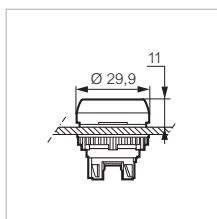
**L61BA22**

L61BA22B

### STAY-PUT - FLUSH



L21CA01




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

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

# Separate units $\varnothing$ 22: Heads

IP 66  
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 Plastic black bezel  
 Conform to IEC 60947-5-1

 Characteristics (p. 94)  
 Cross reference list (p. 311)

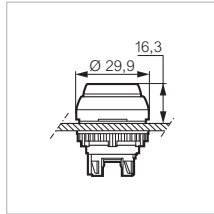
## ► PUSH-BUTTONS - NON ILLUMINATED (CONTINUED)

### 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

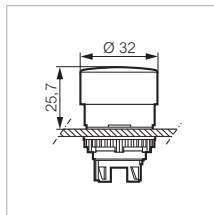
## ► MUSHROOM HEADS - NON ILLUMINATED

### $\varnothing$ 32 - STAY-PUT

Push-turn to reset



L22EC01



- Red
- Green
- Black
- Yellow

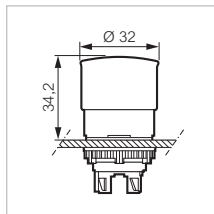
- L22EC01**
- L22EC02**
- L22EC03**
- L22EC04**

### $\varnothing$ 32 - STAY-PUT

Push-pull to reset



L22DC01



- Red

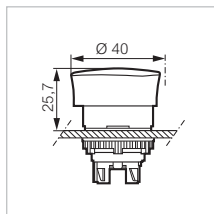
- L22DC01**

### $\varnothing$ 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 $\varnothing$ 22: Heads

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Cross reference list (p. 311)

### ► MUSHROOM HEAD - NON ILLUMINATED (CONTINUED)

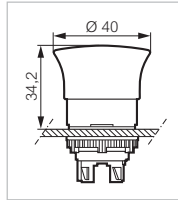
$\varnothing$  40 - STAY-PUT

Push-pull to reset

Cat. No.



L22DD01



- Red
- Black

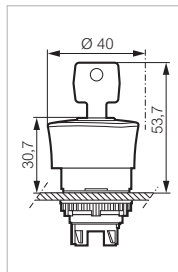
**L22DD01**  
**L22DD03**

$\varnothing$  40 - STAY-PUT

Key to reset



L22GM01



Supplied with 2 keys profile n° 455

- Red

**L22GM01**

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

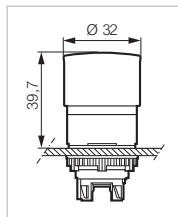
$\varnothing$  32 EN 418/ISO 13850 - STAY-PUT

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

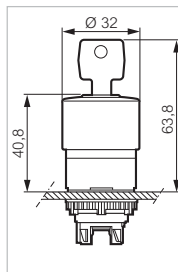
**L22DQ01**

$\varnothing$  32 EN 418/ISO 13850 - STAY-PUT

Key to reset



L22GQ01



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


- Red

**L22GQ01**

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

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 Characteristics (p. 94)  
Cross reference list (p. 311)

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

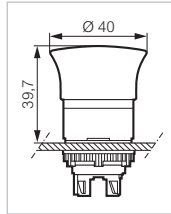
$\varnothing$  40 EN 418/ISO 13850 - STAY-PUT

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

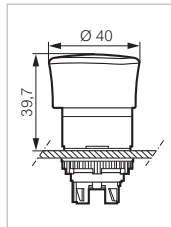
**L22DR01**

$\varnothing$  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

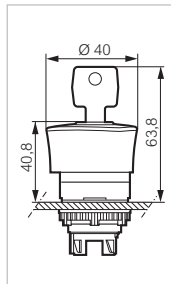
**L22ER01**

$\varnothing$  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

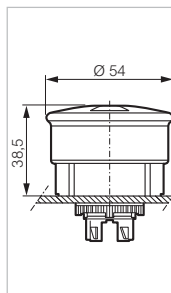
**L22GR01**

$\varnothing$  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**

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



# Separate units $\varnothing$ 22: Heads

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 Characteristics (p. 94)  
 Cross reference list (p. 311)

## ▶ SELECTOR SWITCHES - NON ILLUMINATED

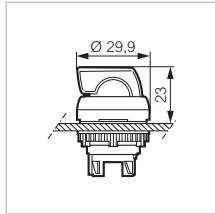
WITH HANDLE

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 $\varnothing$ 22: Heads

IP 66  
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 With locking ring  
 Plastic chrome bezel- Black bezel on request (form p.79)  
 Conform to IEC 60947-5-1

 Characteristics (p. 94)  
 Cross reference list (p. 311)

## ▶ SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

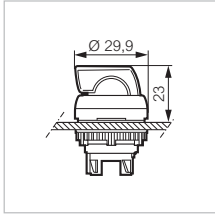
WITH HANDLE

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



L21MA08

### 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

# Separate units $\varnothing$ 22: Heads

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 Cross reference list (p. 311)

## ▶ SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

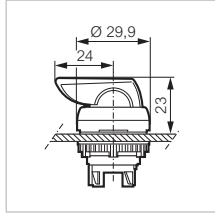
WITH LONG HANDLE

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 $\varnothing$ 22: Heads

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 Conform to IEC 60947-5-1

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## ► SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

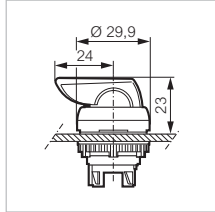
WITH LONG HANDLE

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 $\varnothing$ 22: Heads

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 Cross reference list (p. 311)

## ▶ SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

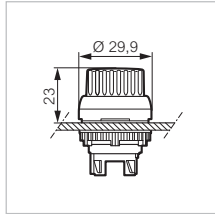
### WITH KNOB

#### 2 positions

Cat. No.



L21TF03



#### Stay-put positions - 45°

- Black



**L21TA03**

#### Spring return - 45°

- Black



**L21TB03**

#### Stay-put positions - 90°

- Black



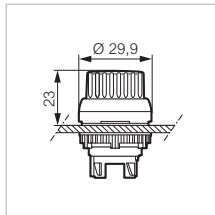
**L21TF03**

### 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 $\varnothing$ 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)  
 Cross reference list (p. 311)

## ▶ SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

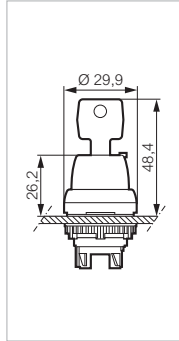
WITH KEY

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**


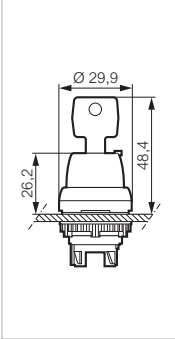








Key profile n° 1424 A and others (form p. 79)

# Separate units $\varnothing$ 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)  
 Cross reference list (p. 311)

## ▶ SELECTOR SWITCHES - NON ILLUMINATED (CONTINUED)

WITH KEY	3 positions	Cat. No.
 <p>L21NA00</p>		<p>Supplied with 2 keys profile n° 455</p> <p><b>Key free in position:</b></p> <p><b>Stay-put positions - 45°</b>                  ● Black  0 <b>L21NA00</b></p> <p><b>Spring return from left to 0 - 45°</b>                  ● Black  0 <b>L21NB00</b></p> <p><b>Spring return from right to 0 - 45°</b>                  ● Black  0 <b>L21NC00</b></p> <p><b>Spring return to 0 - 45°</b>                  ● Black  0 <b>L21ND00</b></p> <p><b>Stay-put positions - 45°</b>                  ● Black  1 - 2 <b>L21NE00</b></p> <p><b>Spring return from right to 0 - 45°</b>                  ● Black  1 <b>L21NJ00</b></p> <p><b>Stay-put positions - 90°</b>                  ● Black  1 - 0 - 2 <b>L21NK00</b></p> <p><b>Stay-put positions - 90°</b>                  ● Black  0 <b>L21NL00</b></p> <p>Key profile n° 1424 A and others (form p. 79)</p>

# Separate units $\varnothing$ 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)  
 Cross reference list (p. 311)

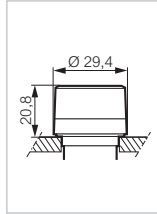
## ► ADJUSTABLE MECHANICAL PUSH/RESET BUTTON - NON ILLUMINATED

### 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. 79)

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

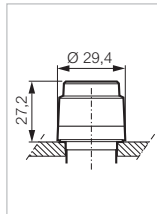
- Red
- Green
- Black
- Yellow
- White
- Blue

- 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**



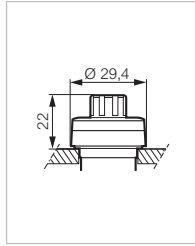
# Separate units $\varnothing$ 22: Heads

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

 Characteristics (p. 94)  
Cross reference list (p. 311)

## ▶ BUTTON FOR POTENTIOMETER - NON ILLUMINATED

Cat. No.



Head + mounting base for potentiometer  
Plastic chrome bezel

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

**L21RP03**

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  $\rightarrow$  0  $\leftarrow$  B

**LM2F**  
**LM2A**

**4 directions - 5 positions**

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

**LM4F**

4 spring-return                 A  
C  $\rightarrow$  0  $\leftarrow$  D  
B

**LM4A**



LMV4F

Head locks in position 0

**2 directions - 3 positions**

2 maintained (stay-put)     A - 0 - B  
2 spring-return                 A  $\rightarrow$  0  $\leftarrow$  B

**LMV2F**  
**LMV2A**

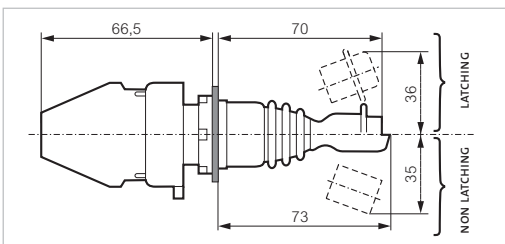
**4 directions - 5 positions**

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

**LMV4F**

4 spring-return                 A  
C  $\rightarrow$  0  $\leftarrow$  D  
B

**LMV4A**



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

# Complete units: Part Numbering System

► ILLUMINATED COMPLETE UNITS

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

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

*a*

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

*b*

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

*c*

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

*d*

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

*e*

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

*f*


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

*g*

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

# Separate units $\varnothing$ 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)  
 Cross reference list (p. 311)

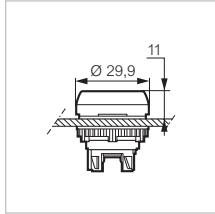
## ► PUSH-BUTTONS - ILLUMINATED

### SPRING RETURN - FLUSH

Cat. No.



L21AH20



#### Without engraving

- Red
- Green
- Yellow
- White
- Blue

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

#### On demand engraving (p. 79)

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

- Red
- Green
- Yellow
- White
- Blue

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



L21AH00

Without button plate

**L21AH00**

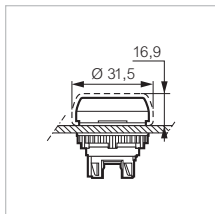
#### Button plates (p. 74)

### SPRING RETURN - FLUSH

Reinforced degree of protection: IP 67



L22AP40



Supplied with transparent shroud

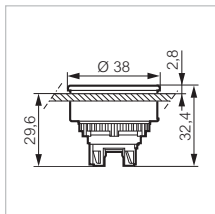
- Red
- Green
- Yellow
- White
- Blue

L22AP10  
 L22AP20  
 L22AP40  
 L22AP50  
 L22AP60

### SPRING RETURN - SUPER FLUSH



L23AH10



Metallic chrome bezel  
 Drilling  $\varnothing$  30 mm

#### Without engraving

- Red
- Green
- Yellow
- White
- Blue

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

#### On demand engraving (p. 79)


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

- Red
- Green
- Yellow
- White
- Blue

L23AH31□□□□  
 L23AH32□□□□  
 L23AH34□□□□  
 L23AH35□□□□  
 L23AH36□□□□

# Separate units $\varnothing$ 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)  
 Cross reference list (p. 311)

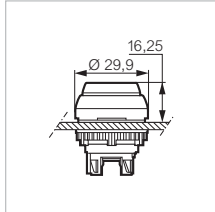
## ► PUSH-BUTTONS - ILLUMINATED (CONTINUED)

### SPRING RETURN - PROJECTING

Cat. No.



L21AK20



- Red
- Green
- Yellow
- White
- Blue

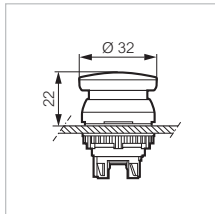
- L21AK10**
- L21AK20**
- L21AK40**
- L21AK50**
- L21AK60**

### SPRING RETURN - MUSHROOM HEAD $\varnothing$ 32

Push



L21AL10



- Red
- Green
- Yellow
- White

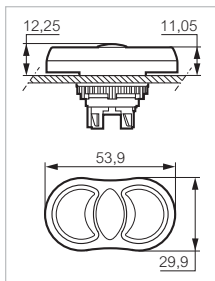
- L21AL10**
- L21AL20**
- L21AL40**
- L21AL50**

### 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 $\varnothing$ 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)  
 Cross reference list (p. 311)

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

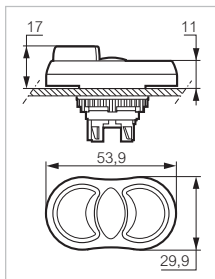
#### SPRING RETURN - FLUSH-PROJECTING

#### Double touch







Cat. No.



L61QK21



Central part illuminated

-  Green
-  Red
-  White
-  Black
-  Green engraving START
-  Red engraving STOP

**L61QK21**

**L61QK53**

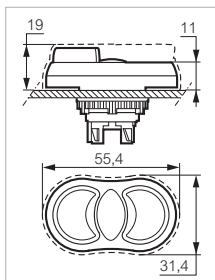
**L61QK21A**

#### SPRING RETURN - FLUSH-PROJECTING

#### Double touch - reinforced degree of protection: IP 67



L62QN21




Supplied with transparent shroud  
 Central part illuminated

-  Green
-  Red

**L62QN21**

# Separate units $\varnothing$ 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)  
 Cross reference list (p. 311)

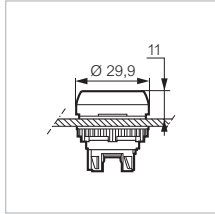
## ► PUSH-BUTTONS - ILLUMINATED (CONTINUED)

### STAY-PUT - FLUSH

Réf.



L21CH20



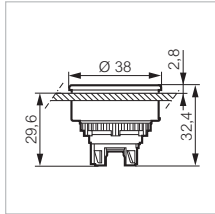
- Red
- Green
- Yellow
- White
- Blue

- L21CH10**
- L21CH20**
- L21CH40**
- L21CH50**
- L21CH60**

### STAY-PUT - SUPER FLUSH



L23CH10



Metallic chrome bezel  
 Drilling  $\varnothing$  30 mm

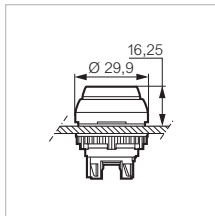
- Red
- Green
- Yellow
- White
- Blue

- L23CH10**
- L23CH20**
- L23CH40**
- L23CH50**
- L23CH60**

### STAY-PUT - PROJECTING



L21CK20




- Red
- Green
- Yellow
- White
- Blue

- L21CK10**
- L21CK20**
- L21CK40**
- L21CK50**
- L21CK60**

# Separate units $\varnothing$ 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)  
 Cross reference list (p. 311)

## ► MUSHROOM HEADS - ILLUMINATED

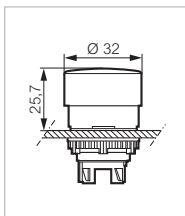
$\varnothing$  32 - STAY-PUT

Push-turn to reset

Cat. No.



L22EL10



● Red

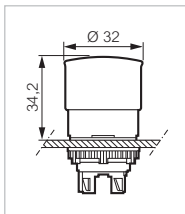
**L22EL10**

$\varnothing$  32 - STAY-PUT

Push-pull to reset



L22DL10



● Red

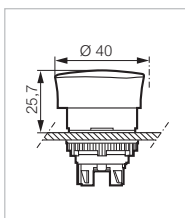
**L22DL10**

$\varnothing$  40 - STAY-PUT

Push-turn to reset



L22EM10



● Red  
 ● Green  
 ● Yellow

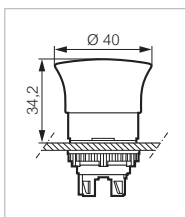
**L22EM10**  
**L22EM20**  
**L22EM40**

$\varnothing$  40 - STAY-PUT

Push-pull to reset



L22DM10




● Red  
 ● Green  
 ● Yellow  
 ○ White

**L22DM10**  
**L22DM20**  
**L22DM40**  
**L22DM50**

## Separate units $\varnothing$ 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)  
 Cross reference list (p. 311)

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

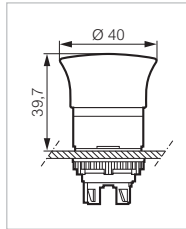
$\varnothing$  40 EN 418/ISO 13850- STAY-PUT

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

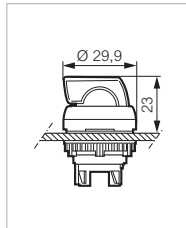
WITH HANDLE

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 $\varnothing$ 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)  
 Cross reference list (p. 311)

## ▶ SELECTOR SWITCHES - ILLUMINATED

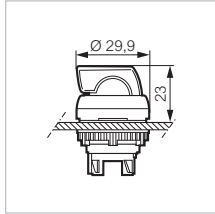
WITH HANDLE

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 $\varnothing$ 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)  
 Cross reference list (p. 311)

## ▶ SELECTOR SWITCHES - ILLUMINATED (CONTINUED)

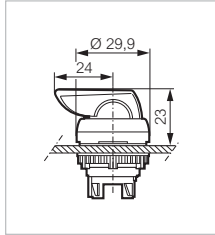
### WITH LONG HANDLE

2 positions

Cat. No



L21KV30



#### Stay-put positions - 45°

- Black



**L21KV30**

#### Stay-put positions - 45°

- Black



L21KX30

#### Spring return - 45°

- Black



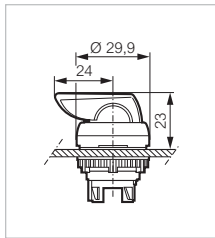
L21KY30

### 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 $\varnothing$ 22

IP 66



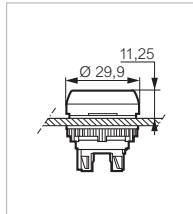
Characteristics (p. 94)  
Cross reference list (p. 311)

## ▶ 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

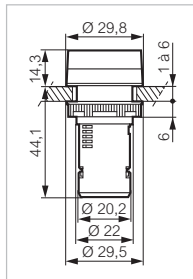
L20SE31□□□□  
L20SE32□□□□  
L20SE34□□□□  
L20SE35□□□□  
L20SE36□□□□

## ▶ 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 (incandescent, neon or fluo)

- 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 $\varnothing$ 22

IP 66  
Direct supply  
To be used without electrical block

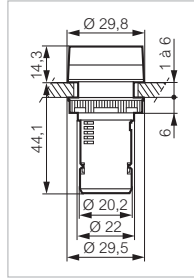
 Characteristics (p. 94)  
Cross reference list (p. 311)

## ▶ 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


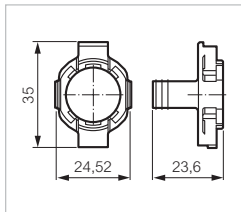

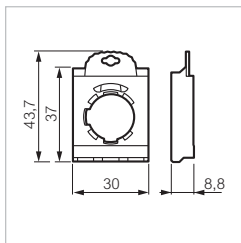

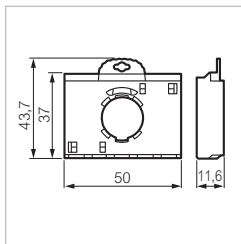
- Red
- Green
- Yellow
- Colourless
- Blue

- L20SA31H□□□□
- L20SA32H□□□□
- L20SA34H□□□□
- L20SA33H□□□□
- L20SA36H□□□□


# Accessories

 Characteristics (p. 94)

## ▶ CLIPS

CLIPS		Cat. No.
		To be combined with blocks (p. 58 to 64) 1 position <b>331E</b>
		3 positions <b>333E</b>
		5 positions (only for $\phi$ 22 heads) <b>335E</b>

## ▶ ROUND LEGEND PLATE

FOR MUSHROOM HEAD		Cat. No.
	Yellow, black engraving	
	<b><math>\phi</math> 60</b>	
	ARRET D'URGENCE	<b>LWE16100</b>
	NOT AUS	<b>LWE16200</b>
	EMERGENCY STOP	<b>LWE16300</b>
	<b><math>\phi</math> 80</b>	
ARRET D'URGENCE	<b>LWE00100</b>	
NOT AUS	<b>LWE00200</b>	
EMERGENCY STOP	<b>LWE00300</b>	
Other languages (form p. 79)		

LWE16300

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

# Accessories ø 22

 Characteristics (p. 94)

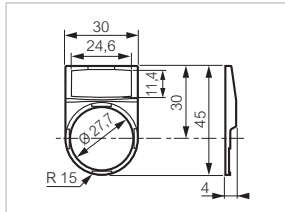
## ▶ COMPLETE FRAMES

### Standard model - 30 x 45 mm

Cat. No.



LWP31



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

#### Without engraving

- White
- 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 ...)

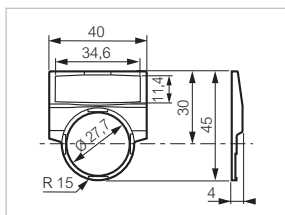
- Transparent

**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

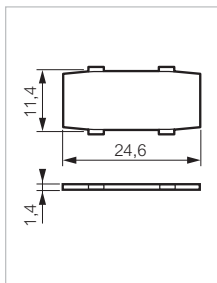
Cat. No.



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

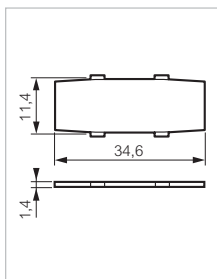
#### Large model



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

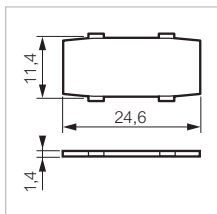
### ENGRAVED

#### 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)

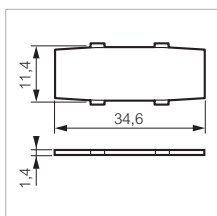
Symbol code to be added at the end of the catalogue number    LIA9□□□

### 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

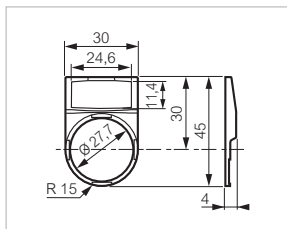
### ROUND

#### Standard model

Cat. No.



LWP3



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

- Black

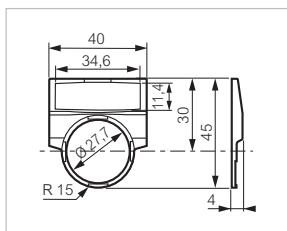
**LWP3**

### ROUND

#### Large model



LWG3



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

- Black

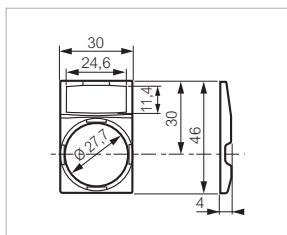
**LWG3**

### SQUARE

#### Standard model



LWP4



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

- Black

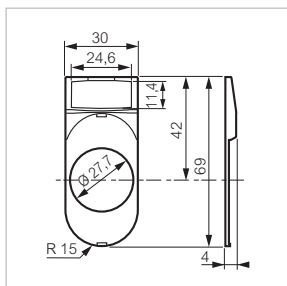
**LWP4**

### FOR DOUBLE AND TRIPLE TOUCH

#### Standard model



LWP2



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

- Black

**LWP2**

# Engravings

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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
BREMSEN	225
EIN	203
EINRICHTEN	223
FEINHEBEN	221
FEINSENKEN	222
HALT	202
HEBEN	219
LANGSAM	209
LINKS	211
RECHTS	212
RÜCKWÄRTS	206
SENKEN	220
SCHNELL	210
VORWÄRTS	205
VORRÜCKEN	226
ZU	214

### For selector switches and legend plates

AUS-EIN	281
HAND-AUTO	283
HAND-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 ISO 1		A01
Alternating straight-line movement ISO 5		A05
Continuous rotating movement clockwise ISO 7A - DIN 100		A07
Continuous rotating mov. anti-clockwise ISO 7B		B07
Forward ISO 16		A16
Increase in value ISO 28		A28
Decrease in value ISO 29		A29
Adjustable ISO 62		A62
Clamp, block apply pressure ISO 63A		A63
Clamp, block apply pressure ISO 63B		B63
Unclamp, release ISO 64A		A64
Unclamp, release ISO 64B		B64
Brake ISO 65		A65
Release brake ISO 66		A66
Automatic cycle (or semi-automatic) ISO 67		A67
Manual control ISO 68		A68
"ON" close circuit ISO 69		A69
"STOP" close circuit ISO 70		A70
ON/OFF close + open circuit ISO 71		A71
Close circuit manual impulse ISO 72		A72
Clutch ISO 74 - DIN 46		A74










# Symbols

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

## ▶ STANDARD SYMBOLS ISO/DIN (CONTINUED)

Description	Symbol	Cat. No.
De-clutch ISO 75 - DIN 45		A75
Warning "live" (energized) ISO 92 - DIN 131		A92
Main switch ISO 94		A94
Lubrication jet ISO 101		C01
Machine lighting ISO 102 - DIN 139		C02
Greasing ISO 107 - DIN 175		C07
Blow ISO 108 - DIN 263		C08
Suction ISO 109 - DIN 264		C09
Sound alarm DIN 155		D01

## ▶ ADDITIONAL STANDARD SYMBOLS

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

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

## Accessories ø 22

 Characteristics (p. 94)

### ▶ BUTTON PLATES - FOR HEADS WITHOUT BUTTON PLATE

#### NON ILLUMINATED

Cat. No.



LT05

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

##### Without engraving

● Red	<b>LT01</b>
● Green	<b>LT02</b>
● Black	<b>LT03</b>
● Yellow	<b>LT04</b>
○ White	<b>LT05</b>
● Blue	<b>LT06</b>

##### 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	<b>LT10</b>
● Green	<b>LT20</b>
● Yellow	<b>LT40</b>
○ White	<b>LT50</b>
● Blue	<b>LT60</b>

##### 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**

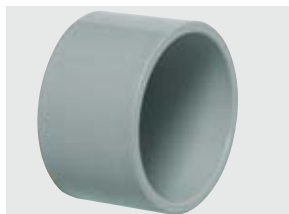
## Accessories ø 22

 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.



LWDN230

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

Neon 230 V  
For red, yellow, white pilot light

**LWDN230**

Neon 230 V  
For green pilot light

**LWDF230**

#### BULB EXTRACTOR



LWA0201

For BA9S bulbs

**LWA0201**

#### ANTI-ROTATION RING



LWA0237

For selector switches

**LWA0237**

#### BLANKING PLUG



LWA0229

- Black
- Grey

**LWA0229**  
**LWA0215**

## Accessories $\varnothing$ 22

 Characteristics (p. 94)

### ► MISCELLANEOUS (CONTINUED)

#### FIXING TOOL

Cat. No.



LWA0234

Fixing tool for locking ring

**LWA0234**

#### REDUCTION RING $\varnothing$ 30/22



LWA0219

Converts  $\varnothing$  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**

# 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 EN 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)  
 Cross reference list (p. 311)

## ▶ CONTACT BLOCKS - FOR NON ILLUMINATED HEADS

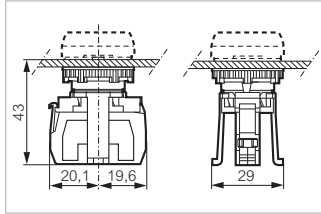
### SCREW TERMINALS

#### 1 position clip

Cat. No.



331E10



NO   
 NC 

**331E10**

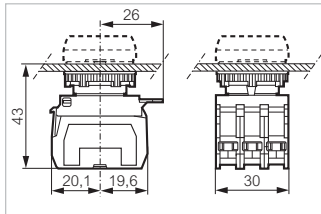
**331E01**





### SCREW TERMINALS

#### 3 position clip



333E21



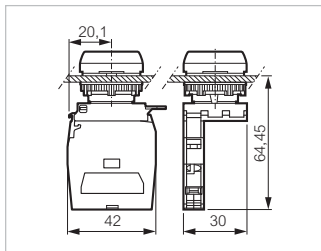
NO   
 NC   
 2 NO   
 2 NC 

**333E10**



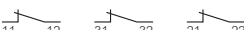
**333E01**

**333E20**

**333E02**



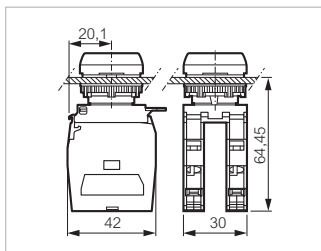
NO/NC

NO + NC   
 3 NO   
 3 NC 


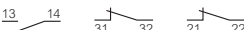


**333E11**

**333E30**

**333E03**



2 NO/NC

2 NO + NC   
 NO + 2 NC   
 NO/NC   
 2 NO/NC 

**333E21**


**333E12**

**334E11**

**334E22**

# Separate units: Blocks sub-assemblies

IP 20  
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 Mounting (p. 92)  
 Conform to IEC 60947-5-1

 Characteristics (p. 94)  
 Cross reference list (p. 311)

## ▶ CONTACT BLOCKS - FOR NON ILLUMINATED HEADS (CONTINUED)

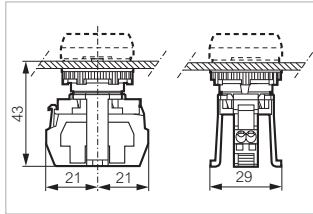
### PLUG-IN TERMINALS

#### 1 position clip

Cat. No.



331ER01



NO   
 NC 

**331ER10**

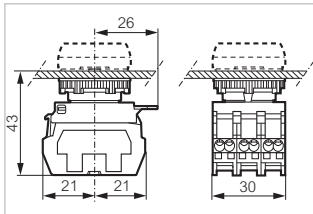
**331ER01**















### PLUG-IN TERMINALS

#### 3 position clip



333ER11



NO   
 NC   
 2 NO    
 2 NC    
 NO+NC    
 3 NO     
 3 NC   

**333ER10**

**333ER01**

**333ER20**

**333ER02**


**333ER11**

**333ER30**

**333ER03**

# Separate units: Blocks sub-assemblies

IP 20  
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 Mounting (p. 92)  
 Conform to IEC 60947-5-1

 Characteristics (p. 94)  
 Cross reference list (p. 311)

## ▶ CONTACT BLOCKS - FOR NON ILLUMINATED HEADS (CONTINUED)

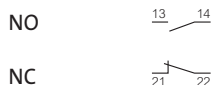
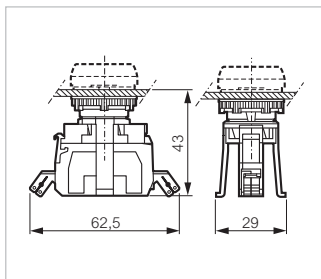
### FASTON TERMINALS

#### 1 position clip

Cat. No.



331ED10



**331ED10**

**331ED01**

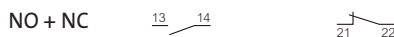
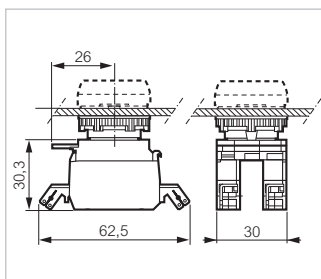
### FASTON TERMINALS

#### 3 position clip

Cat. No.




333ED11



**333ED11**

## Separate units: Blocks sub-assemblies

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

 Characteristics (p. 94)  
 Cross reference list (p. 311)

### ► ELECTRICAL BLOCKS - FOR ILLUMINATED HEADS

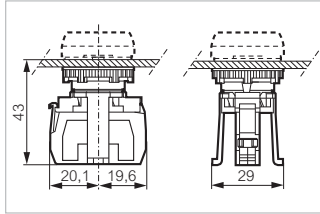
#### SCREW TERMINALS

#### 1 position clip: LED block

Cat. No.



331EAGL



#### 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

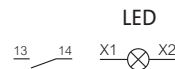
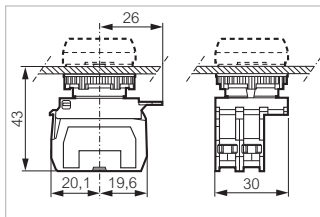
**331EAWH**  
**331EARH**  
**331EAGH**  
**331EABH**  
**331EAYH**

#### SCREW TERMINALS

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



333EAWM10



#### 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)  
 Cross reference list (p. 311)

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

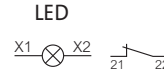
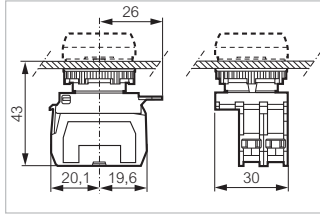
### SCREW TERMINALS

#### 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

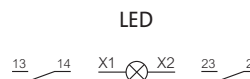
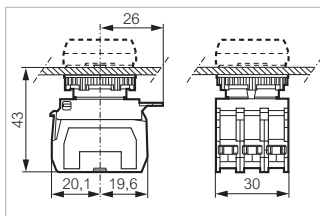
- 333EAWH01**
- 333EARH01**
- 333EAGH01**
- 333EABH01**
- 333EAYH01**

### 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  
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 Mounting (p. 92)  
 Conform to IEC 60947-5-1

 Characteristics (p. 94)  
 Cross reference list (p. 311)

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

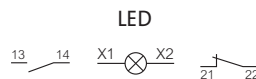
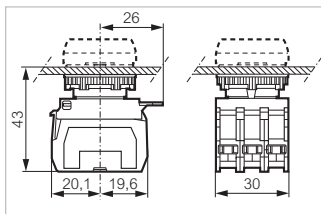
#### SCREW TERMINALS

3 position clip: NO + LED block + NC

Cat. No.



333EARL11



#### 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

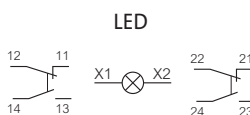
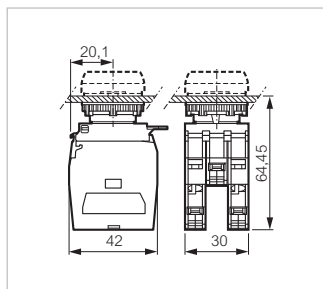
**333EAWH11**  
**333EARH11**  
**333EAGH11**  
**333EABH11**  
**333EAYH11**

#### SCREW TERMINALS

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



334EARL22



#### 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  
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 Conform to IEC 60947-5-1

 Characteristics (p. 94)  
 Cross reference list (p. 311)

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

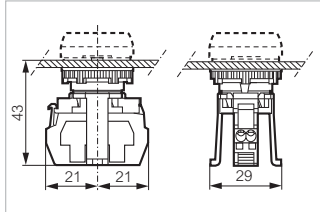
### PLUG-IN TERMINALS

#### 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

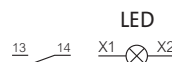
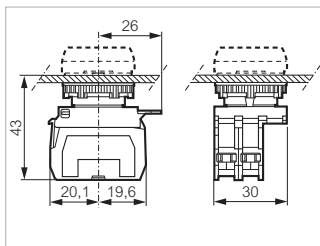
**331ERAWH**  
**331ERARH**  
**331ERAGH**  
**331ERABH**  
**331ERAYH**

### 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  
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 Characteristics (p. 94)  
 Cross reference list (p. 311)

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

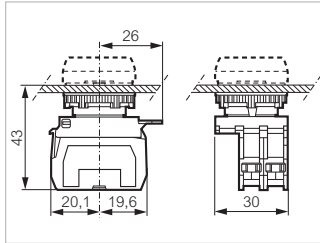
### PLUG-IN TERMINALS

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

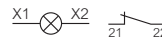
Cat. No.



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

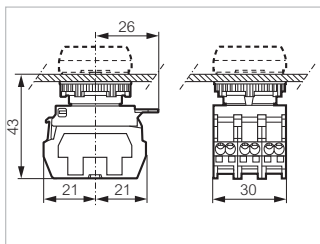
- 333ERAWH01
- 333ERARH01
- 333ERAGH01
- 333ERABH01
- 333ERAYH01

### PLUG-IN TERMINALS

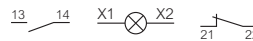
#### 3 position clip: NO + LED block + NC



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  
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 Mounting (p. 92)  
 Conform to IEC 60947-5-1

 Characteristics (p. 94)  
 Cross reference list (p. 311)

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

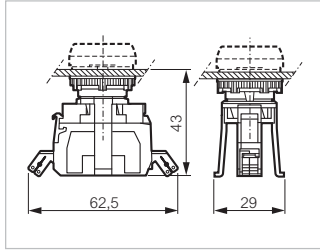
### FASTON TERMINALS

#### 1 position clip: LED block

Cat. No.



331EDARL



#### 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

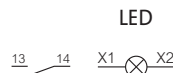
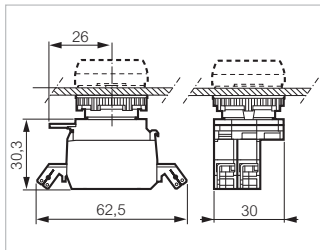
- 331EDAWH
- 331EDARH
- 331EDAGH
- 331EDABH
- 331EDAYH

### FASTON TERMINALS

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



333EDARL10



#### 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

- 333EDAWH10
- 333EDARH10
- 333EDAGH10
- 333EDABH10

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)  
 Cross reference list (p. 311)

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

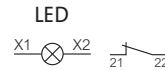
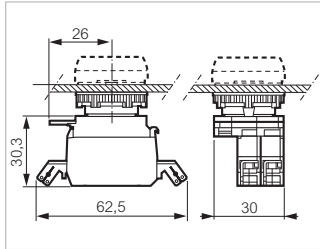
### FASTON TERMINALS

#### 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

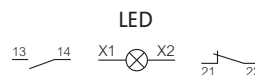
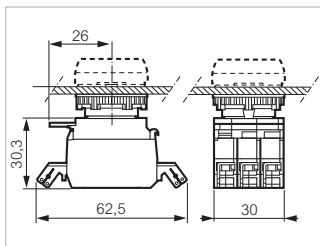
- 333EDAWH01
- 333EDARH01
- 333EDAGH01
- 333EDABH01
- 333EDAYH01

### 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)  
Cross reference list (p. 311)

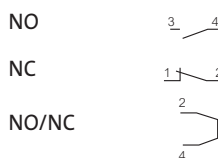
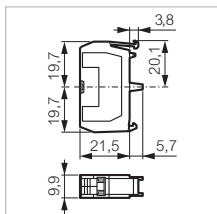
## ▶ CONTACT BLOCKS

### SCREW TERMINALS

Cat. No.



33E10



**33E10**

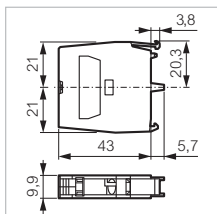
**33E01**

**33E11**

**Golden contacts  
for low current**



33E11



**33E10Y7**

**33E01Y7**

**Contact with delayed opening**

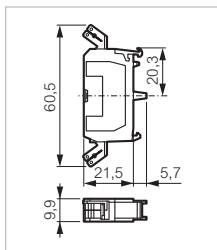


**33E01C**

### FASTON TERMINALS



33D01



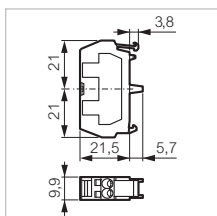
**33D10**

**33D01**

### PLUG-IN TERMINALS



33R01




**33R10**

**33R01**

# Separate units: Blocks

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

 Characteristics (p. 94)  
Cross reference list (p. 311)

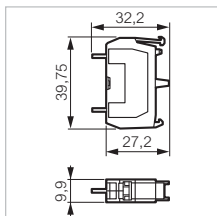
## ▶ CONTACT BLOCKS (CONTINUED)

### FOR PCB (PIN-STYLE TERMINALS)

Cat. No.



33P10



NO   
NC 

**33P10**

**33P01**

**Golden contacts  
for low current**

NO 

**33P10Y7**

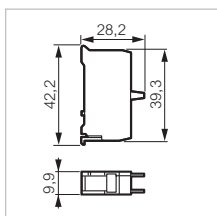
NC 

**33P01Y7**

### FOR CONTROL STATIONS (SCREW TERMINALS)




33S01



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

NO 


**33S10**

NC 

**33S01**

# Separate units: Blocks

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

 Characteristics (p. 94)  
Cross reference list (p. 311)

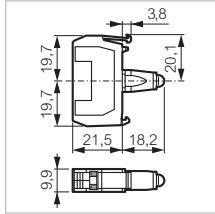
## ▶ LED BLOCKS

### SCREW TERMINALS

Cat. No.



33EABL



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)  
Cross reference list (p. 311)

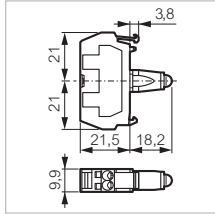
## ▶ LED BLOCKS (CONTINUED)

### PLUG-IN TERMINALS

Cat. No.



33RAGH



**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**

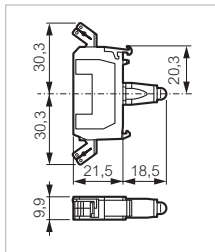
- White
- Red
- Green
- Blue
- Yellow

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

### FASTON TERMINALS



33DARL



**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**

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)  
Cross reference list (p. 311)

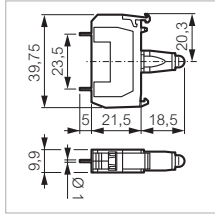
## ▶ LED BLOCKS (CONTINUED)

### FOR PCB (PIN STYLE)

Cat. No.



33PAWL



**24 V**

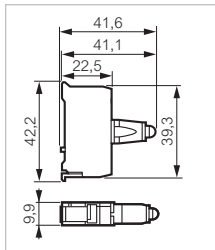
- White
- Red
- Green
- Blue
- Yellow

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

### FOR CONTROL STATIONS (SCREW TERMINALS)



33SAGH



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



**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)  
Cross reference list (p. 311)

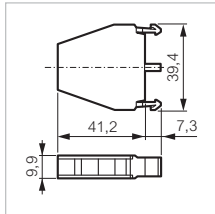
## ► SPECIFIC BLOCKS

### FOR JOYSTICKS (SCREW TERMINALS)

Cat. No.



LM11



Joysticks (p. 36)

NO - NC

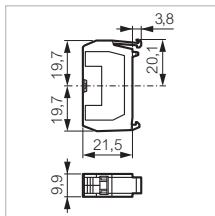


**LM11**

### LAMP-TEST BLOCKS (SCREW TERMINALS)



33ET



For 24 and 48 V

1 diod



**33ET**

2 diods



**33ETT**

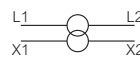
For 130 and 230 V (form p. 79)

### TRANSFORMER BLOCKS (SCREW TERMINALS)

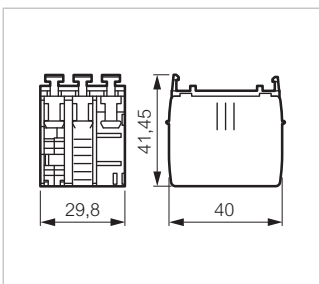


33EHC

230/24 V  
400/24V




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



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

# Separate units: Blocks

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

 Characteristics (p. 94)  
Cross reference list (p. 311)

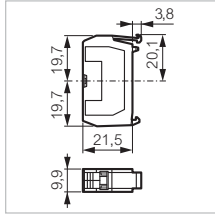
## ► SPECIFIC BLOCKS

### FILTER BLOCKS (SCREW TERMINALS)

Cat. No.

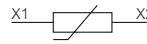


33EFH



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

130 V  
230 V

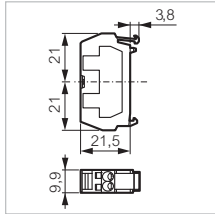


**33EFM**  
**33EFH**

### FILTER BLOCKS (PLUG-IN TERMINALS)

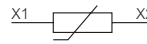


33RFH



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

130 V  
230 V

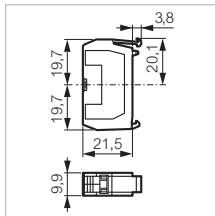


**33RFM**  
**33RFH**

### JUNCTION BLOCK (SCREW TERMINALS)



33EY



2 interconnected  
terminals

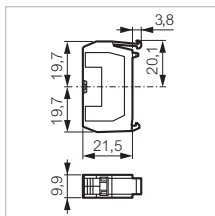


**33EY**

### EMPTY BLOCK



33EX



For empty positions on 3 or 5 position clip

**33EX**

# 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 $\phi$ 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)  
 Cross reference list (p. 311)

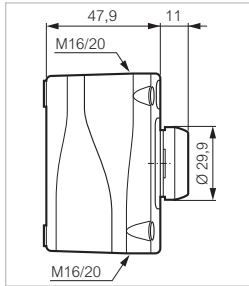
## ► CONTROL STATIONS WITH 1 BUTTON - NON ILLUMINATED

### SPRING RETURN - FLUSH

Cat. No.



LBX10110



● Green NO  $\begin{matrix} 13 & 14 \\ | & / \end{matrix}$   
 ● Red NC  $\begin{matrix} 21 & 22 \\ | & \backslash \end{matrix}$

#### Marking

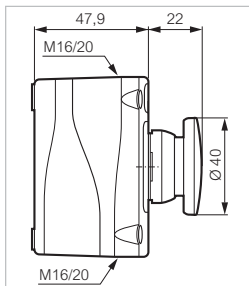


**LBX10110**  
**LBX10610**

### MUSHROOM HEAD $\phi$ 40 - SPRING RETURN



LBX10210



● Red NC  $\begin{matrix} 21 & 22 \\ | & \backslash \end{matrix}$

#### Marking

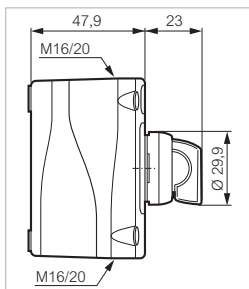


**LBX10210**

### SELECTOR SWITCH - WITH HANDLE



LBX12510



2 stay-put positions - 45°

● Black NO  $\begin{matrix} 13 & 14 \\ | & / \end{matrix}$


#### Marking



**LBX12510**

# Control stations $\varnothing$ 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)  
 Cross reference list (p. 311)

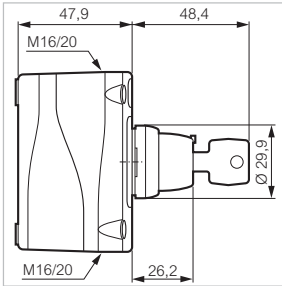
## ▶ CONTROL STATIONS WITH 1 BUTTON (CONTINUED)

### 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 

#### Marking



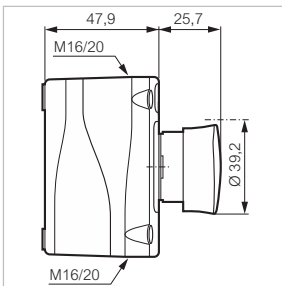
LBX12610




### MUSHROOM HEAD $\varnothing$ 40 - STAY-PUT

Push-turn to reset



LBX10510



● Red NC   
 ● Red NC   
 ● Red NC 

ARRÊT D'URGENCE  
 NOT AUS  
 EMERGENCY STOP

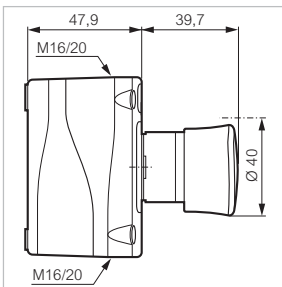
LBX10310  
**LBX10410**  
**LBX10510**

Contact blocks fixed behind cover (form p. 90)




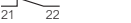


### MUSHROOM HEAD $\varnothing$ 40 EN 418/ISO 13850 - STAY-PUT Push-turn to reset



LBX17201



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

● Red NC   
 ● Red 2 NC   
 ● Red NC   
 ● Red 2 NC   
 ● Red NC   
 ● Red 2 NC 

ARRÊT D'URGENCE  
 ARRÊT D'URGENCE  
 NOT AUS  
 NOT AUS


LBX17101  
 LBX17102  
 LBX17201  
 LBX17202  
**LBX17301**  
**LBX17302**

Contact blocks fixed behind cover (form p. 90)



# Control stations $\varnothing$ 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)  
 Cross reference list (p. 311)

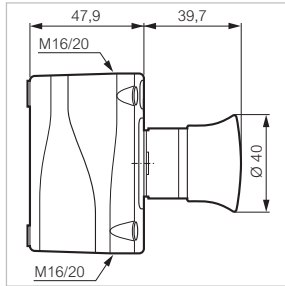
## ► CONTROL STATIONS WITH 1 BUTTON (CONTINUED)

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

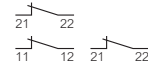
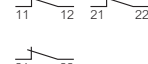
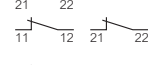
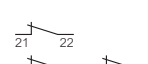
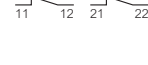
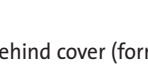
Cat. No.



LBX15101



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

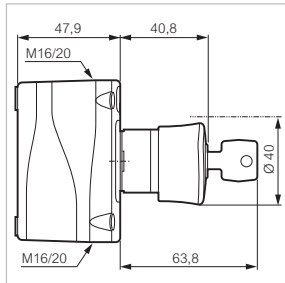
● Red	NC		ARRÊT D'URGENCE	<b>LBX15101</b>
● Red	2 NC		ARRÊT D'URGENCE	LBX15102
● Red	NC		NOT AUS	<b>LBX15201</b>
● Red	2 NC		NOT AUS	LBX15202
● Red	NC		EMERGENCY STOP	<b>LBX15301</b>
● Red	2 NC		EMERGENCY STOP	<b>LBX15302</b>

Contact blocks fixed behind cover (form p. 90)

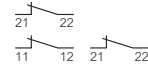
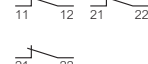
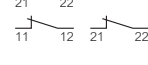
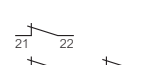
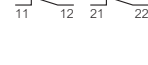

### MUSHROOM HEAD $\varnothing$ 40 EN 418/ISO 13850 - STAY-PUT Key to reset



LBX11302



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

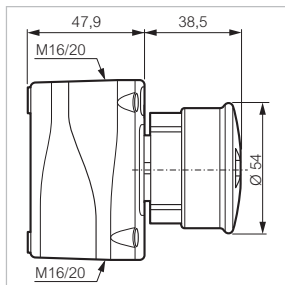
● Red	NC		ARRÊT D'URGENCE	<b>LBX11101</b>
● Red	2 NC		ARRÊT D'URGENCE	LBX11102
● Red	NC		NOT AUS	<b>LBX11201</b>
● Red	2 NC		NOT AUS	LBX11202
● Red	NC		EMERGENCY STOP	<b>LBX11301</b>
● Red	2 NC		EMERGENCY STOP	<b>LBX11302</b>

Contact blocks fixed behind cover (form p. 90)

### MUSHROOM HEAD $\varnothing$ 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 - 	<b>LBX14201</b>
● Red	2 NC		STOP - 	LBX14202

Contact blocks fixed behind cover (form p. 90)

# Control stations $\varnothing$ 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)  
 Cross reference list (p. 311)

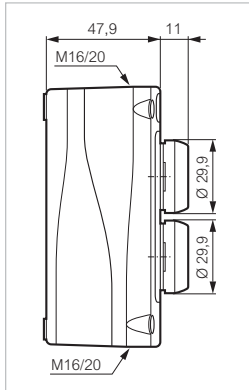
## ▶ CONTROL STATIONS WITH 2 BUTTONS

SPRING RETURN - FLUSH

Cat. No.



LBX20120



● Green  
 ● Red

NO  
 NC



Marking



**LBX20120**

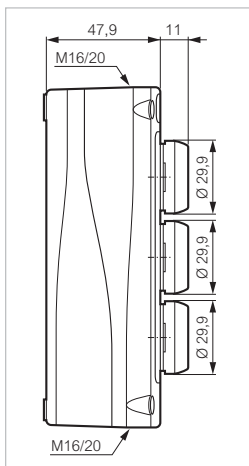
## ▶ CONTROL STATIONS WITH 3 BUTTONS

SPRING RETURN - FLUSH

Cat. No.



LBX30430



● Green  
 ● Red  
 ● Green

NO  
 NC  
 NO




**LBX30430**

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

# Control stations $\varnothing$ 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)  
 Cross reference list (p. 311)

## ► ENCLOSURES

### 1 HOLE

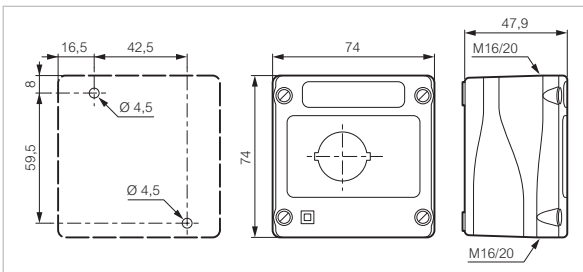
Cat. No.



**Black base**  
 ● Grey cover  
 ● Yellow cover

**LBX0100**  
**LBX0100J**

LBX0100J



### 2 HOLES

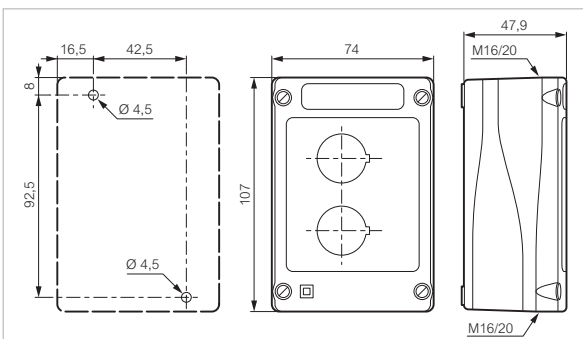
Cat. No.



**Black base**  
 ● Grey cover  
 ● Yellow cover

**LBX0200**  
**LBX0200J**


LBX0200



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

## Control stations $\varnothing$ 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)  
 Cross reference list (p. 311)

### ► ENCLOSURES (CONTINUED)

3 HOLES

Cat. No.

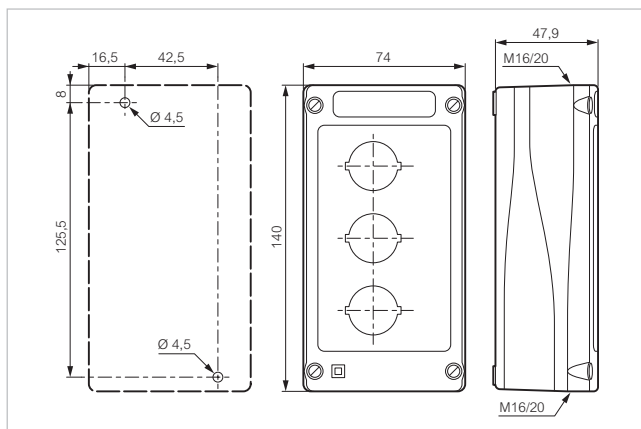


LBX0300

**Black base**


- Grey cover

**LBX0300**



# Control stations $\varnothing$ 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)  
 Cross reference list (p. 311)

## ► ENCLOSURES (CONTINUED)

4 HOLES

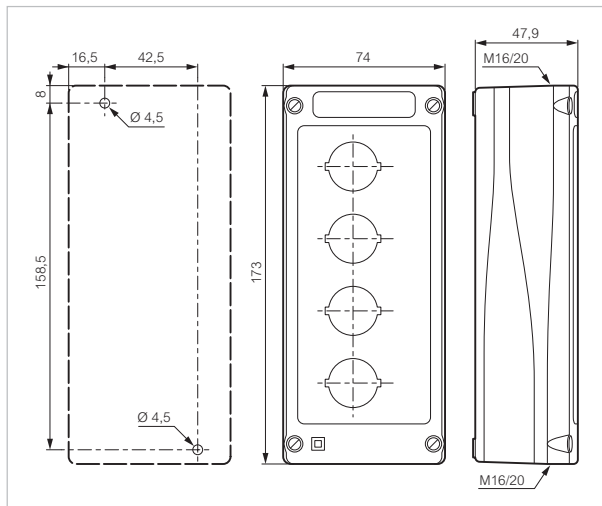
Cat. No.



**Black base**  
 ● Grey cover


**LBX0400**

LBX0400



# Control stations $\varnothing$ 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)  
 Cross reference list (p. 311)

## ► ENCLOSURES (CONTINUED)

5 HOLES

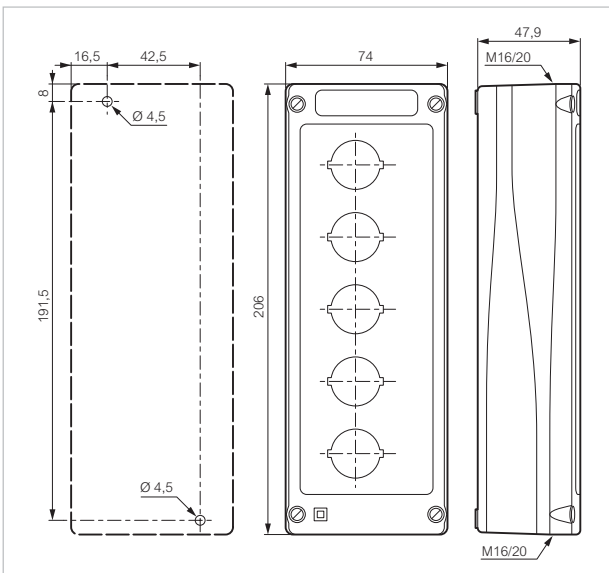
Cat. No.



**Black base**  
 ● Grey cover

**LBX0500**

LBX0500





# Technical characteristics

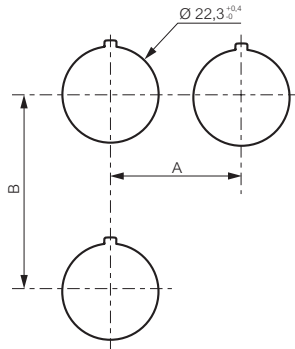
## ▶ GENERAL

Characteristics	Data	Standards
▶ Storage temperature	- 40 °C to + 70 °C	
▶ Operating temperature	- 25 °C to + 70 °C	
▶ Climatic resistance	Constant humid heat Cyclic damp heat Resistance to sea air	IEC 60068-2-3 IEC 60068-2-30 IEC 60068-2-52
▶ Degree of protection	IP 66 for standard heads IP 67 for shrouded heads IP 66 for equipped control stations IP 20 at the rear of the panel for contact blocks and one piece pilot lights Type 1, 2, 3, 3R, 3S, 4, 4X, 12, and 13 for heads and control stations	IEC 60529     NEMA standard
▶ Protection against mechanical impacts	IK 05 illuminated and non illuminated heads IK 07 empty control station	IEC 62262
▶ Electrical insulation	Class II - heads and control station	IEC 60947-5-1
▶ Terminal marking		IEC 60947-1
▶ Tightening torques	Locking ring: recommended 3 N.m terminals: max. 1.2 N.m	
▶ Approvals	UL United states and Canada BV Bureau Véritas Certification OC/CB	UL 508, CSA 22.2 Marine rules IEC 60947-5-1 IEC 60947-5-5 IEC 60947-5-4
▶ Vibrations	withstand vibration Fc test: 2 to 25 Hz, 1.6 mm; 25-100 Hz, 4 g	IEC 60068-2-6



# Panel cut-out

## DRILLING

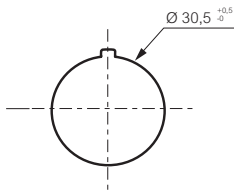


For heads equipped with electrical blocks with screw or plug-in terminals

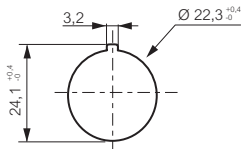
### Minimum interval (mm)

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

## DRILLING FOR SUPER-FLUSH BUTTON

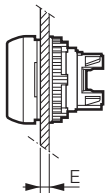


## DRILLING WHEN USING THE ANTI-ROTATION RING (OPTIONAL)



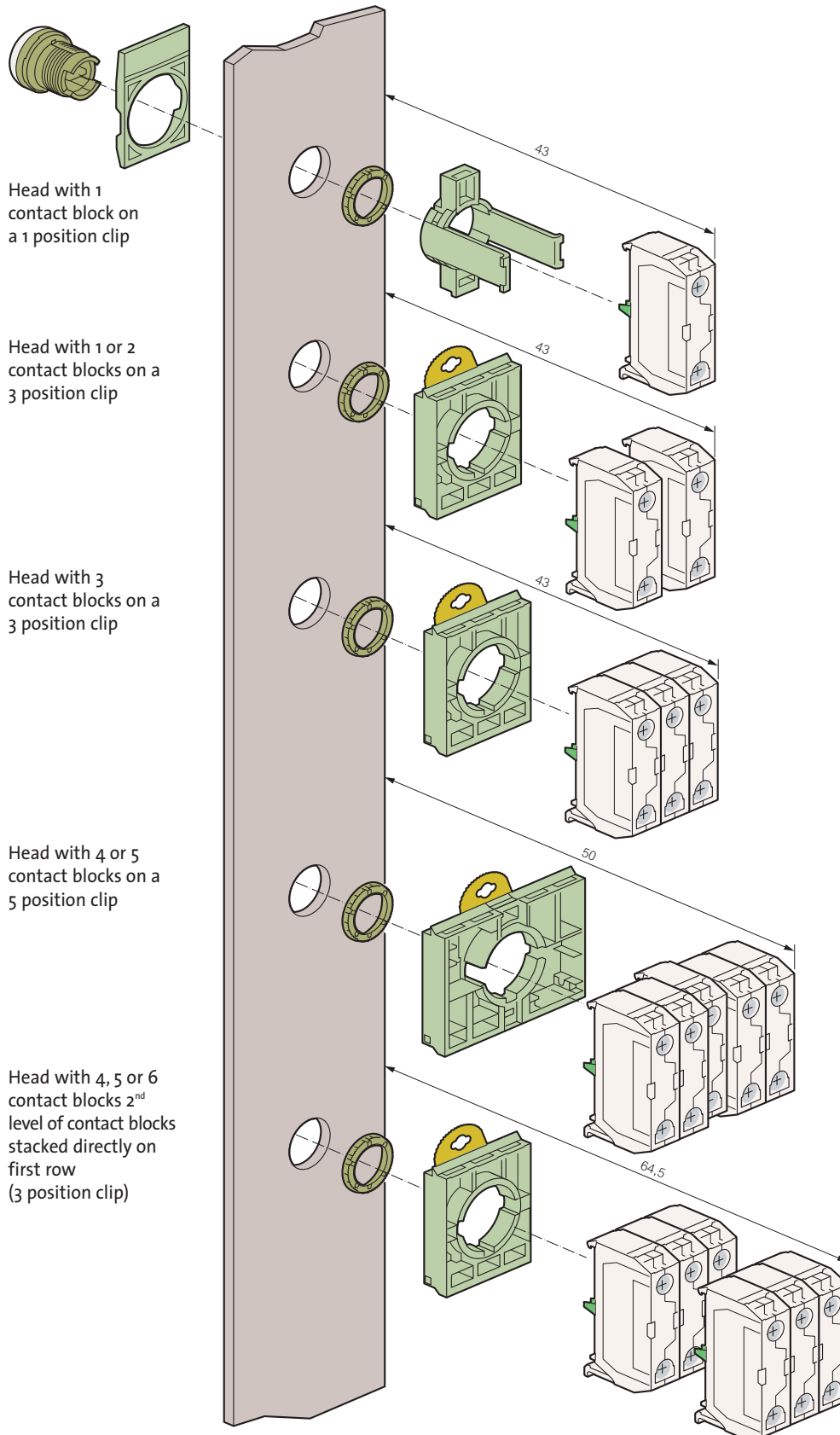
## THICKNESS OF PANEL (E)

E = 1 to 6 mm



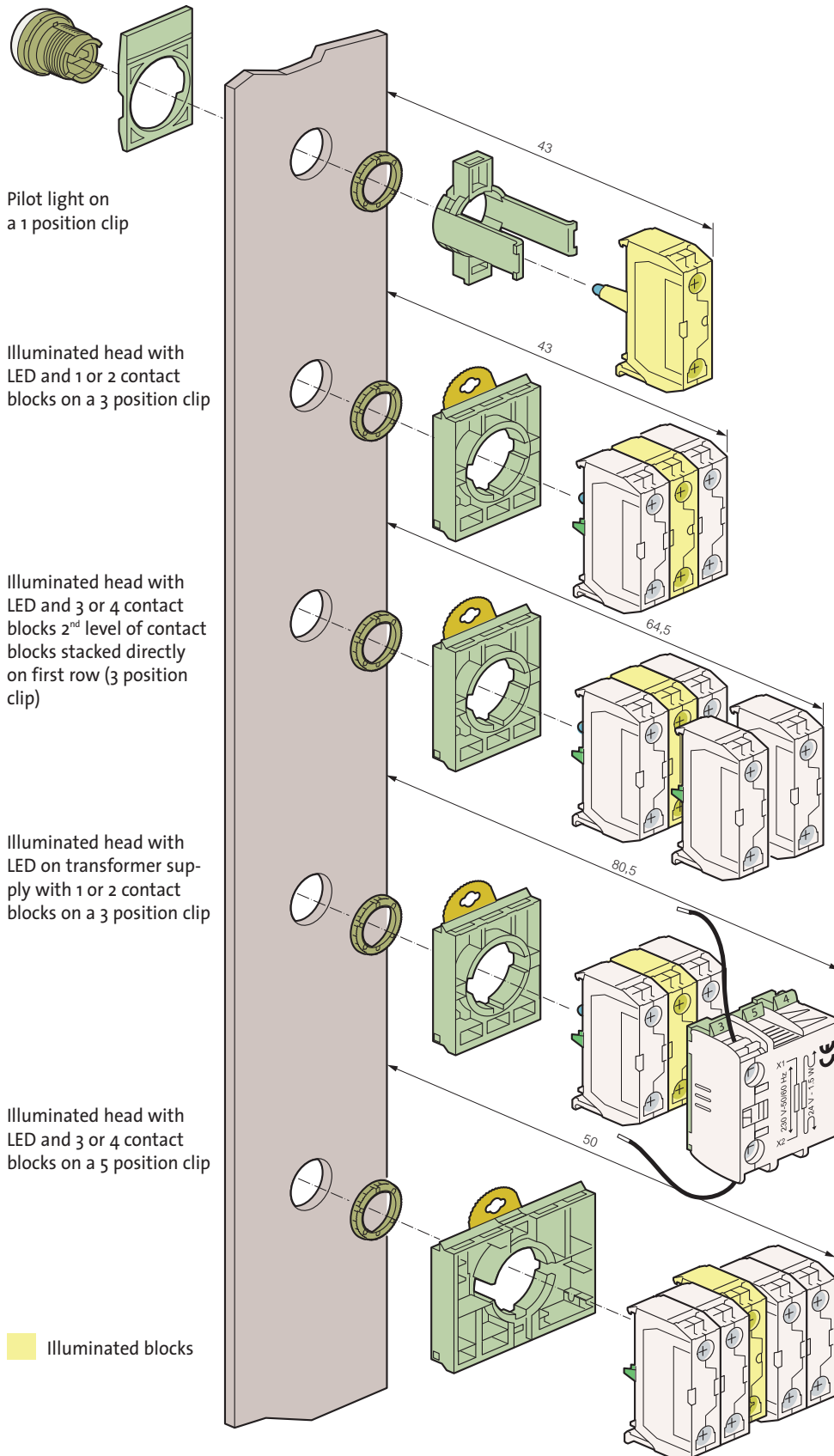
# Mounting blocks $\varnothing$ 22

NON ILLUMINATED



# Mounting blocks $\varnothing 22$

## ILLUMINATED



# Technical characteristics

## ▶ CONTACT BLOCKS

Screw and plug-in connection characteristics	Data	Standards	
▶ Rated insulation voltage	690 V AC 600 V AC	IEC/EN 60947-1 UL 508	
▶ NC contacts	Positive opening	IEC/EN 60947-5-1	
▶ Rated impulse voltage U <sub>imp</sub> Pollution degree	6kV 3		
▶ Conventional thermal current in free air conditions	AC15: 10 A DC13: 2,5 A	IEC 60947-5-1	
▶ Electrical ratings	<p><b>Alternating current</b> AC15 - A 600 U<sub>e</sub> = 120 V, I<sub>e</sub> = 6 A U<sub>e</sub> = 240 V, I<sub>e</sub> = 3 A U<sub>e</sub> = 380 V, I<sub>e</sub> = 1,9 A U<sub>e</sub> = 480 V, I<sub>e</sub> = 1,5 A U<sub>e</sub> = 500 V, I<sub>e</sub> = 1,4 A U<sub>e</sub> = 600 V, I<sub>e</sub> = 1,2 A</p> <p><b>Minimum operating current</b> - standard blocks U<sub>e</sub> = 24 V DC and I<sub>e</sub> = 5 mA Failure rate &lt; 10<sup>-8</sup></p>	<p><b>Direct current</b> DC13 - Q 600 U<sub>e</sub> = 125 V, I<sub>e</sub> = 0,55 A U<sub>e</sub> = 250 V, I<sub>e</sub> = 0,27 A U<sub>e</sub> = 400 V, I<sub>e</sub> = 0,15 A U<sub>e</sub> = 500 V, I<sub>e</sub> = 0,13 A U<sub>e</sub> = 600 V, I<sub>e</sub> = 0,1 A</p> <p>- golden contacts U<sub>e</sub> = 5 V DC and I<sub>e</sub> = 1 mA Failure rate &lt; 10<sup>-8</sup></p>	IEC 60947-5-1
▶ Electrical operating life	<p><b>1 million cycles for:</b> - AC15 - B 300 U<sub>e</sub> = 120 V, I<sub>e</sub> = 3 A U<sub>e</sub> = 240 V, I<sub>e</sub> = 1,5 A</p> <p>- DC13 - R 300 U<sub>e</sub> = 125 V, I<sub>e</sub> = 0,22 A U<sub>e</sub> = 250 V, I<sub>e</sub> = 0,1 A</p>		
▶ Applicable wire sizes	Rigid or flexible wire without ferrule: 0,5 mm <sup>2</sup> to 2 x 2,5 mm <sup>2</sup> 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 300 V AC	IEC/EN60947-1 UL 508	
▶ NC contacts	Positive opening	IEC/EN 60947-5-1	
▶ Rated impulse withstanding voltage U <sub>imp</sub> Pollution degree	6 kV 3		
▶ Conventional thermal current in free air conditions	AC 15: 10 A DC 13: 2,5 A	IEC 60947-5-1	
▶ Electrical ratings	<p><b>Alternating current</b> AC15 - A 300 U<sub>e</sub> = 120 V, I<sub>e</sub> = 6 A U<sub>e</sub> = 240 V, I<sub>e</sub> = 3 A</p> <p><b>Minimum current of use</b> U<sub>e</sub> = 24 V DC and I<sub>e</sub> = 5 mA Failure rate &lt; 10<sup>-8</sup></p>	<p><b>Direct current</b> DC13 - Q 300 U<sub>e</sub> = 125 V, I<sub>e</sub> = 0,55 A U<sub>e</sub> = 250 V, I<sub>e</sub> = 0,27 A</p> <p>- DC13 - R 300 U<sub>e</sub> = 125 V, I<sub>e</sub> = 0,22 A U<sub>e</sub> = 250 V, I<sub>e</sub> = 0,1 A</p>	IEC 60947-5-1
▶ Electrical operating life	<p><b>1 million cycles for:</b> - AC15 - B 300 U<sub>e</sub> = 120 V, I<sub>e</sub> = 3 A U<sub>e</sub> = 240 V, I<sub>e</sub> = 1,5 A</p> <p>- DC13 - R 300 U<sub>e</sub> = 125 V, I<sub>e</sub> = 0,22 A U<sub>e</sub> = 250 V, I<sub>e</sub> = 0,1 A</p>		
▶ Faston size	6,35 mm or 2 x 2,8 mm		

# Technical characteristics

## ▶ CONTACT BLOCKS

Pin-style connection (for PCB)	Data	Standards	
▶ Rated insulation voltage	250 V AC 250 V AC	IEC/EN60947-1 UL 508	
▶ NC contacts	Positive opening	IEC/EN 60947-5-1	
▶ Rated impulse withstanding voltage Uimp Pollution degree	4 kV 3		
▶ Conventional thermal current in free air conditions	AC 15: 5 A DC 13: 1 A	IEC 60947-5-1	
▶ Electrical ratings	<b>Alternating current</b> AC 15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1,5 A	<b>Direct current</b> DC13 - R 300 Ue = 125 V, Ie = 0,22 A Ue = 250 V, Ie = 0,1 A	IEC 60947-5-1 IEC 60947-5-4
	<b>Minimum current of use</b> - standard blocks Ue = 24 V DC and Ie = 5 mA Failure rate < 10 <sup>-8</sup>	- golden contacts Ue = 5 V DC and Ie = 1 mA Failure rate < 10 <sup>-8</sup>	
▶ Electrical operating life	<b>1 million cycles for:</b> - AC15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1,5 A	- DC13 - R 300 Ue = 125 V, Ie = 0,22 A Ue = 250 V, Ie = 0,1 A	
▶ Pin diameter	ø 1 mm		

## ▶ LED BLOCKS FOR ILLUMINATED HEADS AND ONE PIECE LED PILOT LIGHTS

Characteristics	Data	Standards
▶ Rated insulation voltage	300 V	IEC/EN 60947-5-1
▶ Rated impulse voltage Uimp Pollution degree	4 kV (with filter block see p. 64) 3	IEC/EN 60947-1
▶ Operating voltage	12 to 24 V AC/DC 48 V AC/DC (for LED block) 130 V AC 230 V AC	
▶ Frequency	50 or 60 Hz	
▶ Lifetime at rated supply voltage	Red and yellow: 100 000 hours at 25 °C Other colours: 50 000 hours at 25 °C	
▶ Consumption of LED blocks	Voltage: - 24 V: 25 mA ± 20% - 48 V: 15 mA ± 5% - 130 V: 20 mA ± 10% - 230 V: 16 mA ± 30%	

## Technical characteristics

### ▶ ONE PIECE PILOT LIGHT BA9S

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

### ▶ HEADS

Characteristics	Data	Standards
▶ Mechanical endurance (in million cycles)	Spring return: 5 Push-push: 0,5 Selector switches: 0,3 Mushroom head maintained function EN 418: 0,10 Mushroom head maintained function: 0,15	
▶ Activation force in N	Spring return + NO: 6,5 Spring return + NC: 4,5 Additional NO contact: 4,5 Additional NC contact: 3,0 Push-pull mushroom head + NO + NC: 27 Push-turn mushroom head + NO + NC: 22 Push-pull mushroom head EN 418 + NO + NC: 37 Push-turn mushroom head EN 418 + NO + NC: 60	
▶ Activation force in Nm	Selector switch + NO: 0,04 Additional NO contact: 0,03	

### ▶ EMERGENCY STOP ACTUATORS - EN 418/ISO 13850:

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

The mechanism of our EN418/ISO13850 mushroom heads is so designed that a "push" action of sufficient force to open the contact systematically triggers an irreversible locking of this opening. This generates an "emergency stop" signal which can be cancelled only by deliberate manual resetting of the mushroom head (pull and turn or unlocking by key).

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

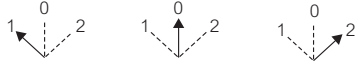
The EN418/ISO13850 mushroom heads also comply with the safety requirements detailed in standards EN418 and ISO13850.

# Diagrams

## MECHANICAL OPERATION

For 3 position selector switches

Handle position  
(front side view)



Contacts block actuation  
(back view)



Back side view

Non operated block



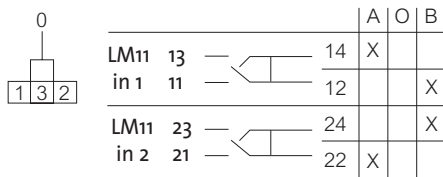
Operated block



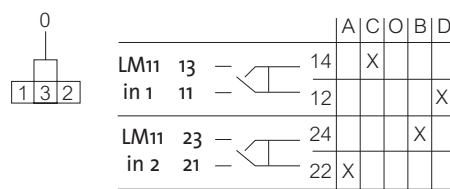
## MECHANICAL OPERATION

For Joysticks

2 positions

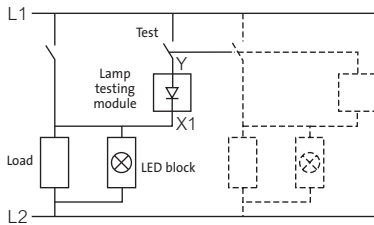


4 positions

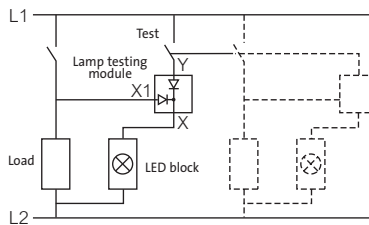


## PUSH-TO-TEST LED PILOT LIGHT DIAGRAMS

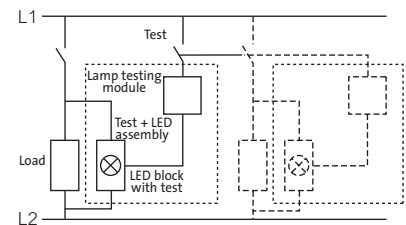
Lamp-testing module with 1 diode (33ET) for direct supply 24 V and 48 V



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

