


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)

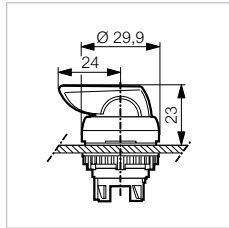
WITH LONG HANDLE

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°

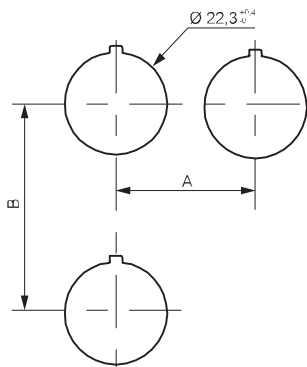
- Red
- Green
- Black



L21KU01
 L21KU02
L21KU03

Panel cut-out

DRILLING

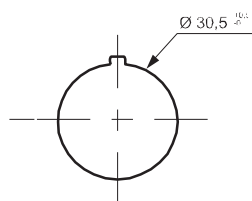


For heads equipped with electrical blocks with screw or plug-in terminals

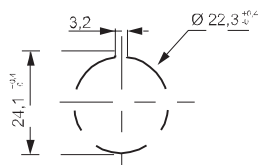
Minimum interval (mm)

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

DRILLING FOR SUPER-FLUSH BUTTON

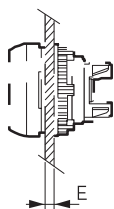


DRILLING WHEN USING THE ANTI-ROTATION RING (OPTIONAL)



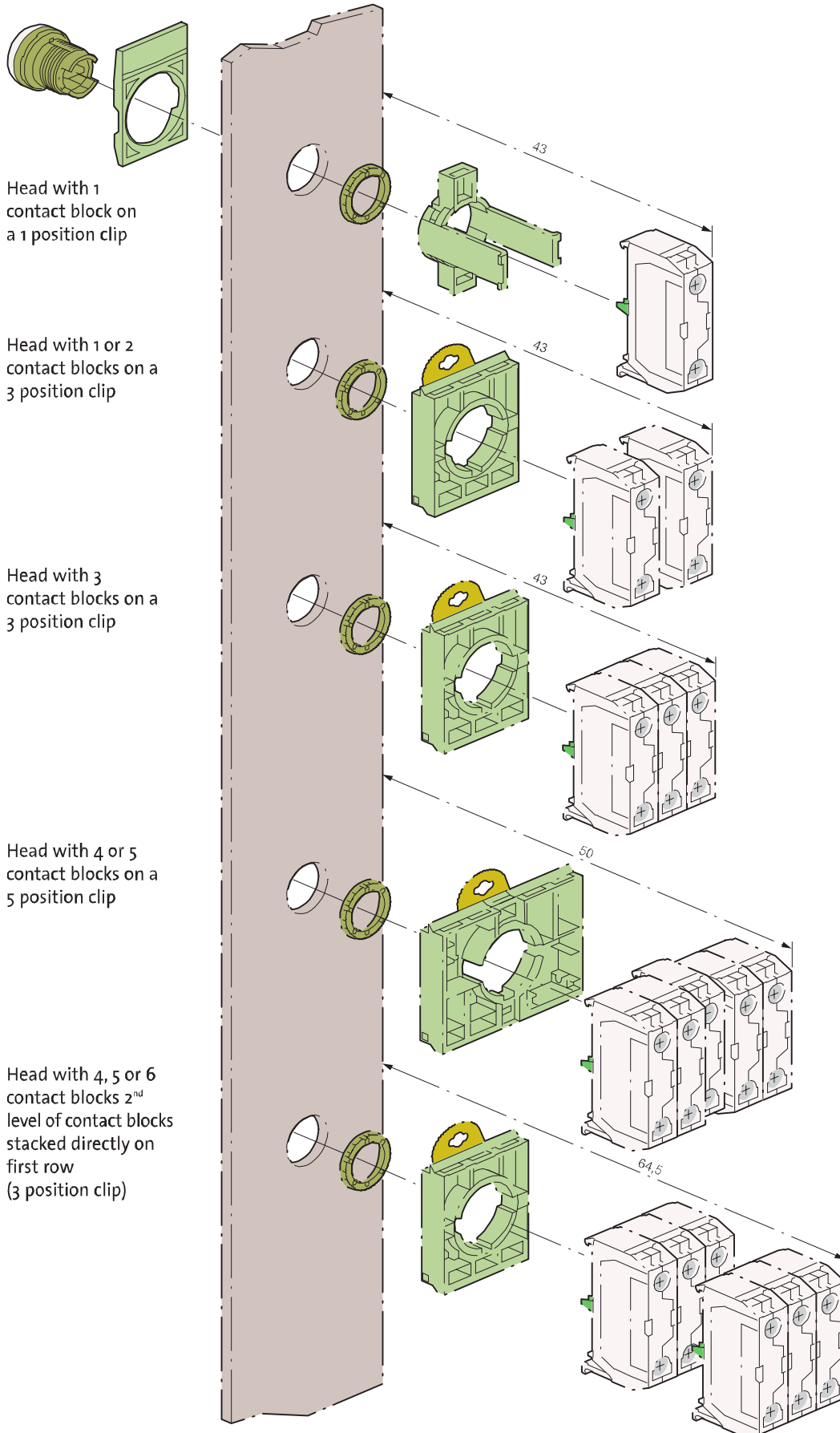
THICKNESS OF PANEL (E)

E = 1 to 6 mm



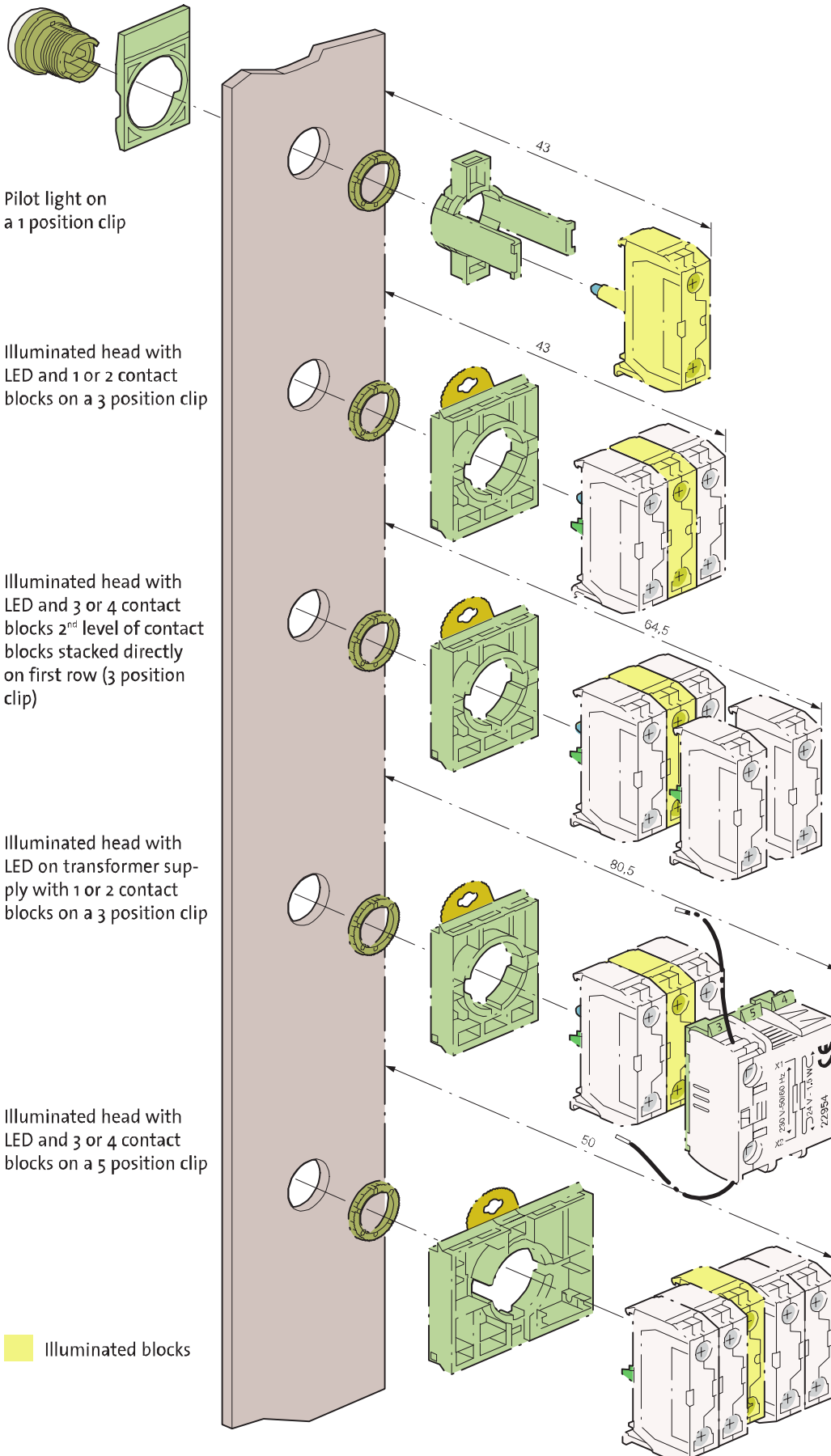
Mounting blocks $\varnothing 22$

NON ILLUMINATED



Mounting blocks $\varnothing 22$

ILLUMINATED



Technical characteristics

► GENERAL

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

Technical characteristics

▶ CONTACT BLOCKS

| Screw and plug-in connection characteristics | Data | Standards | |
|---|---|---|---------------|
| ▶ Rated insulation voltage | 690 V AC 600 V AC | IEC/EN 60947-1 UL 508 | |
| ▶ NC contacts | Positive opening | IEC/EN 60947-5-1 | |
| ▶ Rated impulse voltage U _{imp} Pollution degree | 6kV 3 | | |
| ▶ Conventional thermal current in free air conditions | AC15: 10 A DC13: 2,5 A | IEC 60947-5-1 | |
| ▶ Electrical ratings | <p>Alternating current AC15 - A 600 U_e = 120 V, I_e = 6 A U_e = 240 V, I_e = 3 A U_e = 380 V, I_e = 1,9 A U_e = 480 V, I_e = 1,5 A U_e = 500 V, I_e = 1,4 A U_e = 600 V, I_e = 1,2 A</p> <p>Minimum operating current - standard blocks U_e = 24 V DC and I_e = 5 mA Failure rate < 10⁻⁸</p> | <p>Direct current DC13 - Q 600 U_e = 125 V, I_e = 0,55 A U_e = 250 V, I_e = 0,27 A U_e = 400 V, I_e = 0,15 A U_e = 500 V, I_e = 0,13 A U_e = 600 V, I_e = 0,1 A</p> <p>- golden contacts U_e = 5 V DC and I_e = 1 mA Failure rate < 10⁻⁸</p> | IEC 60947-5-1 |
| ▶ Electrical operating life | <p>1 million cycles for: - AC15 - B 300 U_e = 120 V, I_e = 3 A U_e = 240 V, I_e = 1,5 A</p> | <p>- DC13 - R 300 U_e = 125 V, I_e = 0,22 A U_e = 250 V, I_e = 0,1 A</p> | |
| ▶ Applicable wire sizes | Rigid or flexible wire without ferrule: 0,5 mm ² to 2 x 2,5 mm ² Rigid or flexible wire with ferrule: 0,5 mm ² to 2 x 1,5 mm ² | | |
| Faston connection | Data | Standards | |
| ▶ Rated insulation voltage | 320 V AC 300 V AC | IEC/EN60947-1 UL 508 | |
| ▶ NC contacts | Positive opening | IEC/EN 60947-5-1 | |
| ▶ Rated impulse withstanding voltage U _{imp} Pollution degree | 6 kV 3 | | |
| ▶ Conventional thermal current in free air conditions | AC 15: 10 A DC 13: 2,5 A | IEC 60947-5-1 | |
| ▶ Electrical ratings | <p>Alternating current AC15 - A 300 U_e = 120 V, I_e = 6 A U_e = 240 V, I_e = 3 A</p> <p>Minimum current of use U_e = 24 V DC and I_e = 5 mA Failure rate < 10⁻⁸</p> | <p>Direct current DC13 - Q 300 U_e = 125 V, I_e = 0,55 A U_e = 250 V, I_e = 0,27 A</p> <p>- DC13 - R 300 U_e = 125 V, I_e = 0,22 A U_e = 250 V, I_e = 0,1 A</p> | IEC 60947-5-1 |
| ▶ Electrical operating life | <p>1 million cycles for: - AC15 - B 300 U_e = 120 V, I_e = 3 A U_e = 240 V, I_e = 1,5 A</p> | <p>- DC13 - R 300 U_e = 125 V, I_e = 0,22 A U_e = 250 V, I_e = 0,1 A</p> | |
| ▶ 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 | Alternating current AC 15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1,5 A | Direct current DC13 - R 300 Ue = 125 V, Ie = 0,22 A Ue = 250 V, Ie = 0,1 A | IEC 60947-5-1 IEC 60947-5-4 |
| | Minimum current of use - standard blocks Ue = 24 V DC and Ie = 5 mA Failure rate < 10 ⁻⁸ | - golden contacts Ue = 5 V DC and Ie = 1 mA Failure rate < 10 ⁻⁸ | |
| ▶ Electrical operating life | 1 million cycles for: - AC15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1,5 A | - DC13 - R 300 Ue = 125 V, Ie = 0,22 A Ue = 250 V, Ie = 0,1 A | |
| ▶ Pin diameter | ∅ 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 60947-5-1 |
| ▶ 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:

For equipment subject to Machine Security Directive CE 98/37 and EN60204 standard.

BACO emergency stop switches EN418 and contact blocks meet the requirements of the European Machine Directive EN 418 and EN60947-5-5 specification.


Our E-stops provide the "fool-proof" or "tease-proof" emergency stop switch feature - described below, that latches in the emergency stop command and then switches the contact state to open the circuit and shut down the equipment.

"After the emergency stop command has been generated during actuation of the emergency stop device, the command shall be maintained by engagement (latching-in) of the actuating means. The emergency stop command shall be maintained until the emergency stop device is reset (disengaged). It shall not be possible for the emergency stop device to engage without generating the stop command."

Simply stated, this directive indicates that the latching mechanism of the switch is activated when the actuator is pushed to a certain point. The switch will continue to remain in this latched position until manually reset by twisting to release.

Frontelemente \varnothing 22

IP 66
 Mit Befestigungsmutter
 Zur Kombination mit einem Adapter und Kontaktelementen (Seite 48)
 Frontring Kunststoff verchromt - schwarzer Frontring auf Anfrage (siehe Formular Seite 79)
 Nach Norm EN-IEC 60947-5-1

 Technische Daten (Seite 94)
 Vergleichstabelle (Seite 311)

► DREHSCHALTER - NICHT BELEUCHTBAR

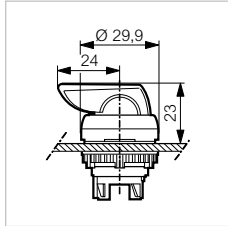
MIT KNEBEL LANG

2 Stellungen

Bestell-Nr.



L21KP03



Rastend - 45°

- Rot
- Grün
- Schwarz
- Grau



- L21KP01
- L21KP02
- L21KP03**
- L21KP08

Tastend - 45°

- Rot
- Grün
- Schwarz



- L21KQ01
- L21KQ02
- L21KQ03**

Schaltstellungen - 45°

- Rot
- Grün
- Schwarz



- L21KR01
- L21KR02
- L21KR03**

Tastend - 45°

- Rot
- Grün
- Schwarz



- L21KS01
- L21KS02
- L21KS03**

Rastend - 90°

- Rot
- Grün
- Schwarz



- L21KT01
- L21KT02
- L21KT03**

Rastend - 90°


- Rot
- Grün
- Schwarz



- L21KU01
- L21KU02
- L21KU03**

Separate units \varnothing 22: Heads

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

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

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

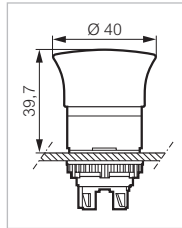
\varnothing 40 EN 418/ISO 13850 - STAY-PUT

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

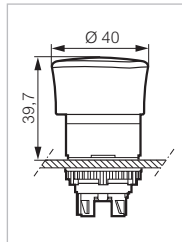
L22DR01

\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

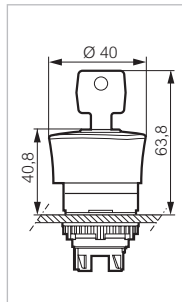
L22ER01

\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

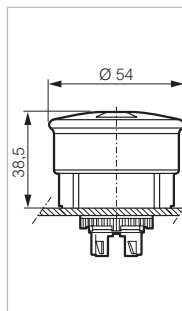
L22GR01

\varnothing 54 EN 418/ISO 13850 - STAY-PUT

Push-pull to reset with flag indicator



L22DU01



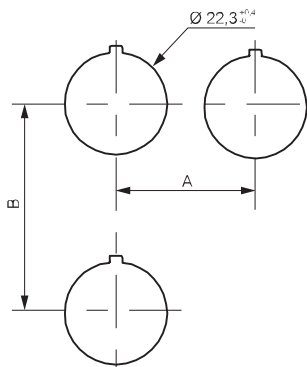
Double position indicator: head and collar
 Compliant with the requirements of emergency stop:
 IEC 60947-5-5 / EN 418/ISO 13850

● Red - engraving O - I
 ● Red - engraving STOP - I

L22DU01A
L22DU01

Panel cut-out

DRILLING

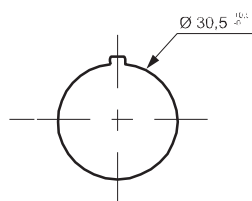


For heads equipped with electrical blocks with screw or plug-in terminals

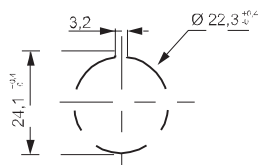
Minimum interval (mm)

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

DRILLING FOR SUPER-FLUSH BUTTON

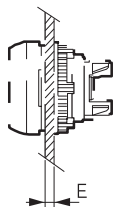


DRILLING WHEN USING THE ANTI-ROTATION RING (OPTIONAL)



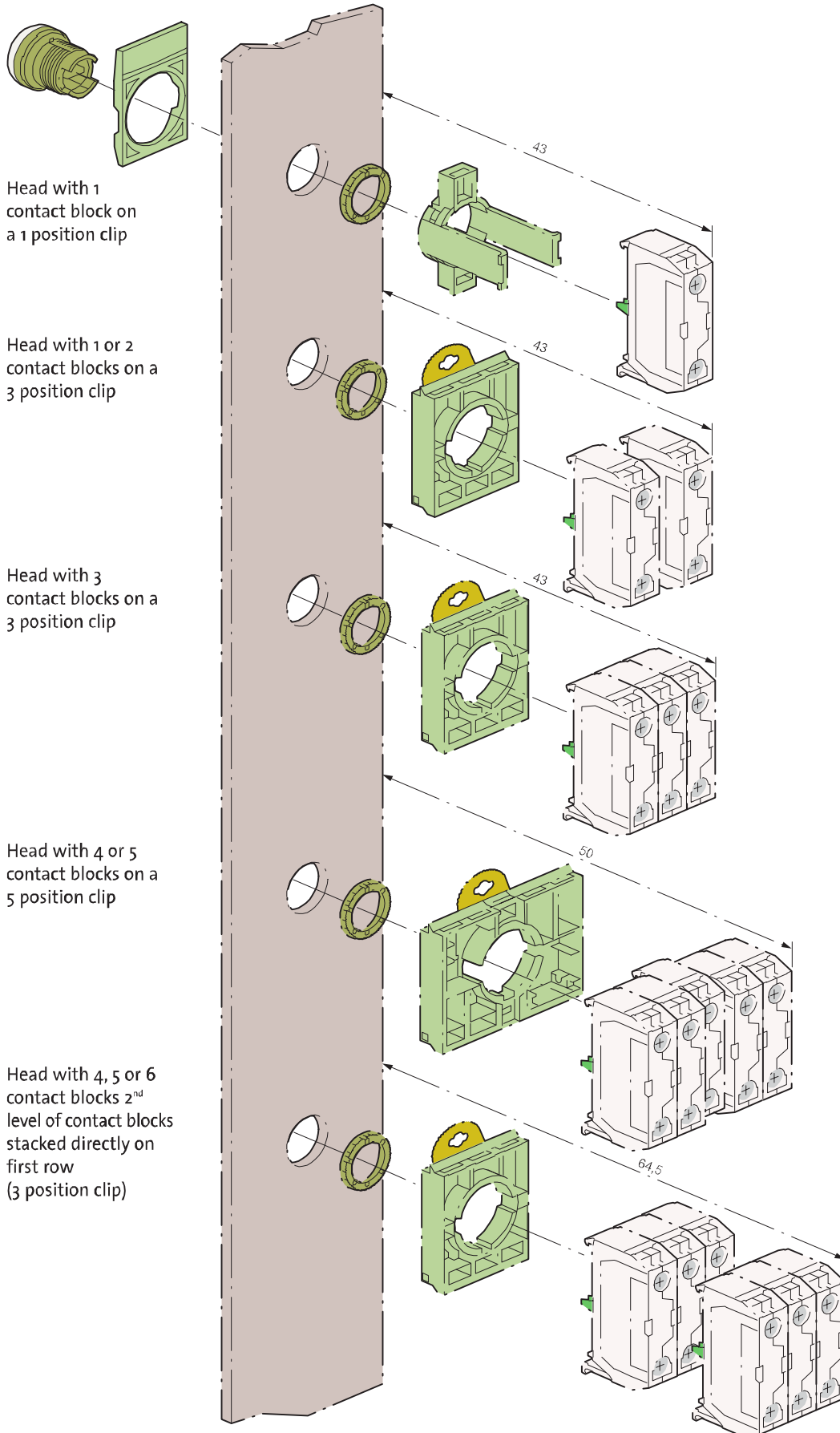
THICKNESS OF PANEL (E)

E = 1 to 6 mm



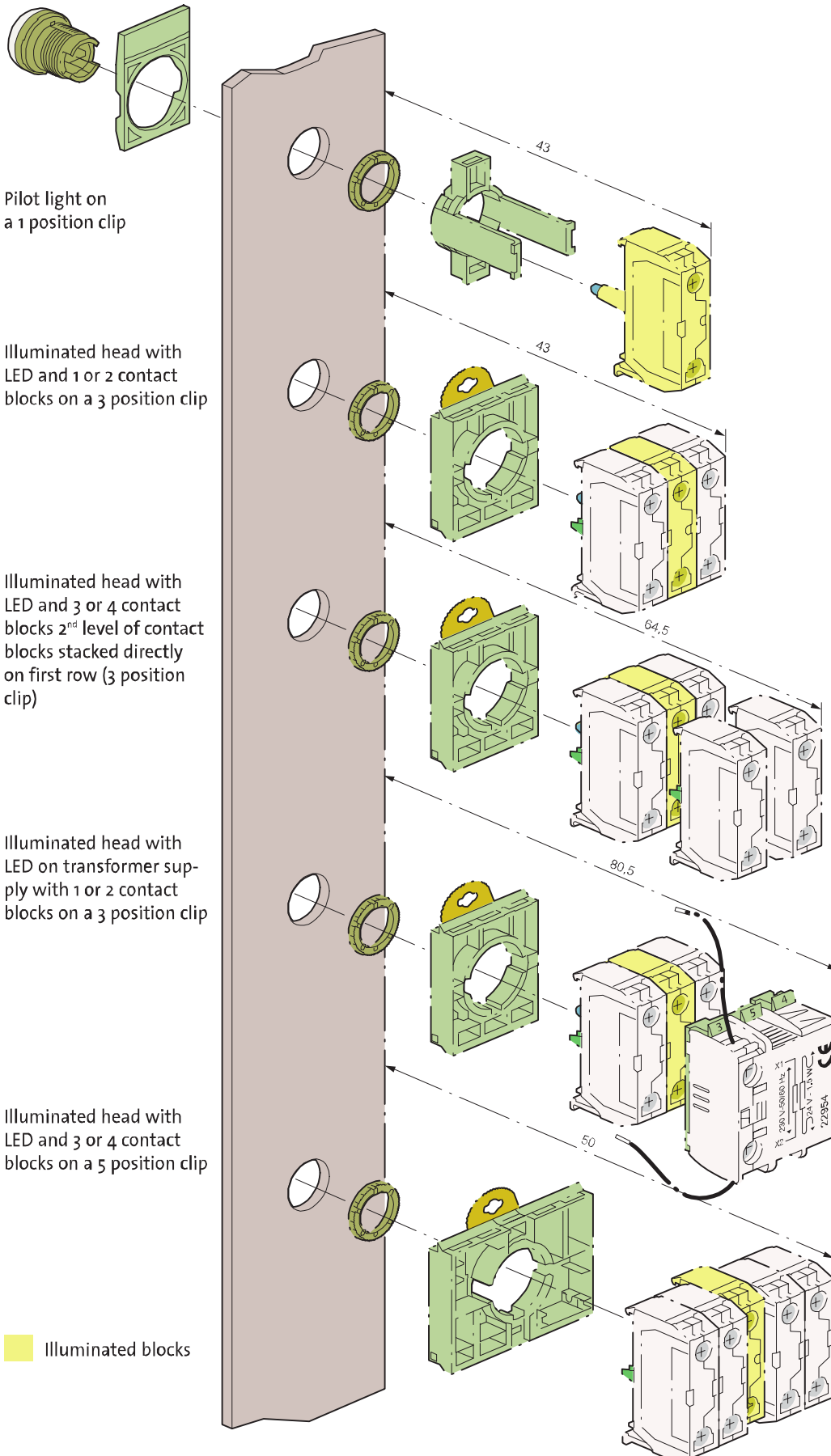
Mounting blocks $\varnothing 22$

NON ILLUMINATED



Mounting blocks $\varnothing 22$

ILLUMINATED



Technical characteristics

► GENERAL

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

Technical characteristics

▶ CONTACT BLOCKS

| Screw and plug-in connection characteristics | Data | Standards | |
|---|---|---|---------------|
| ▶ Rated insulation voltage | 690 V AC 600 V AC | IEC/EN 60947-1 UL 508 | |
| ▶ NC contacts | Positive opening | IEC/EN 60947-5-1 | |
| ▶ Rated impulse voltage U _{imp} Pollution degree | 6kV 3 | | |
| ▶ Conventional thermal current in free air conditions | AC15: 10 A DC13: 2,5 A | IEC 60947-5-1 | |
| ▶ Electrical ratings | <p>Alternating current AC15 - A 600 U_e = 120 V, I_e = 6 A U_e = 240 V, I_e = 3 A U_e = 380 V, I_e = 1,9 A U_e = 480 V, I_e = 1,5 A U_e = 500 V, I_e = 1,4 A U_e = 600 V, I_e = 1,2 A</p> <p>Minimum operating current - standard blocks U_e = 24 V DC and I_e = 5 mA Failure rate < 10⁻⁸</p> | <p>Direct current DC13 - Q 600 U_e = 125 V, I_e = 0,55 A U_e = 250 V, I_e = 0,27 A U_e = 400 V, I_e = 0,15 A U_e = 500 V, I_e = 0,13 A U_e = 600 V, I_e = 0,1 A</p> <p>- golden contacts U_e = 5 V DC and I_e = 1 mA Failure rate < 10⁻⁸</p> | IEC 60947-5-1 |
| ▶ Electrical operating life | <p>1 million cycles for: - AC15 - B 300 U_e = 120 V, I_e = 3 A U_e = 240 V, I_e = 1,5 A</p> | <p>- DC13 - R 300 U_e = 125 V, I_e = 0,22 A U_e = 250 V, I_e = 0,1 A</p> | |
| ▶ Applicable wire sizes | Rigid or flexible wire without ferrule: 0,5 mm ² to 2 x 2,5 mm ² Rigid or flexible wire with ferrule: 0,5 mm ² to 2 x 1,5 mm ² | | |
| Faston connection | Data | Standards | |
| ▶ Rated insulation voltage | 320 V AC 300 V AC | IEC/EN60947-1 UL 508 | |
| ▶ NC contacts | Positive opening | IEC/EN 60947-5-1 | |
| ▶ Rated impulse withstanding voltage U _{imp} Pollution degree | 6 kV 3 | | |
| ▶ Conventional thermal current in free air conditions | AC 15: 10 A DC 13: 2,5 A | IEC 60947-5-1 | |
| ▶ Electrical ratings | <p>Alternating current AC15 - A 300 U_e = 120 V, I_e = 6 A U_e = 240 V, I_e = 3 A</p> <p>Minimum current of use U_e = 24 V DC and I_e = 5 mA Failure rate < 10⁻⁸</p> | <p>Direct current DC13 - Q 300 U_e = 125 V, I_e = 0,55 A U_e = 250 V, I_e = 0,27 A</p> <p>- DC13 - R 300 U_e = 125 V, I_e = 0,22 A U_e = 250 V, I_e = 0,1 A</p> | IEC 60947-5-1 |
| ▶ Electrical operating life | <p>1 million cycles for: - AC15 - B 300 U_e = 120 V, I_e = 3 A U_e = 240 V, I_e = 1,5 A</p> | <p>- DC13 - R 300 U_e = 125 V, I_e = 0,22 A U_e = 250 V, I_e = 0,1 A</p> | |
| ▶ 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 | Alternating current AC 15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1,5 A | Direct current DC13 - R 300 Ue = 125 V, Ie = 0,22 A Ue = 250 V, Ie = 0,1 A | IEC 60947-5-1 IEC 60947-5-4 |
| | Minimum current of use - standard blocks Ue = 24 V DC and Ie = 5 mA Failure rate < 10 ⁻⁸ | - golden contacts Ue = 5 V DC and Ie = 1 mA Failure rate < 10 ⁻⁸ | |
| ▶ Electrical operating life | 1 million cycles for: - AC15 - B 300 Ue = 120 V, Ie = 3 A Ue = 240 V, Ie = 1,5 A | - DC13 - R 300 Ue = 125 V, Ie = 0,22 A Ue = 250 V, Ie = 0,1 A | |
| ▶ Pin diameter | ∅ 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 60947-5-1 |
| ▶ 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:

For equipment subject to Machine Security Directive CE 98/37 and EN60204 standard.

BACO emergency stop switches EN418 and contact blocks meet the requirements of the European Machine Directive EN 418 and EN60947-5-5 specification.

Our E-stops provide the "fool-proof" or "tease-proof" emergency stop switch feature - described below, that latches in the emergency stop command and then switches the contact state to open the circuit and shut down the equipment.

"After the emergency stop command has been generated during actuation of the emergency stop device, the command shall be maintained by engagement (latching-in) of the actuating means. The emergency stop command shall be maintained until the emergency stop device is reset (disengaged). It shall not be possible for the emergency stop device to engage without generating the stop command."

Simply stated, this directive indicates that the latching mechanism of the switch is activated when the actuator is pushed to a certain point. The switch will continue to remain in this latched position until manually reset by twisting to release.

