

ETISIG

Pushbutton Actuators and LED Indicators 540

Pushbutton Stations 548

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PUSHBUTTON ACTUATORS AND LED INDICATORS



Pushbutton Actuators and LED Indicators

Actuators and indicators are used in control circuits for direct and remote management of operations, vital for industries, commercial establishments and domestic installations. The range offers reliability, critical to operational control, together with flexibility so important to panel assemblers, with the standardised modular construction. The actuators and indicators together with contact blocks, LED holders, integral indicators and actuators conform to international standards 60947-5-1.

- All Actuators are supplied with First Row Clip as shown.
- All Actuators except LED Indicators have black collar made of ABS material. There is an option to buy chrome collar.
- The Actuator and Indicator fronts are IP65 .
- The key is withdrawable in 'O' position for Lock & Key Head Actuators as a standard feature.
- Symmetrical Head, Lever Head and Lock & Key Actuators are supplied with anti rotation ring (for mounting, see drill plan in continuation).
- The Integral Indicators are suitable for 24V AC/DC and 240V AC.
- The illuminated Actuators do not include LED Holders. There are need to be chosen separately.

Application:

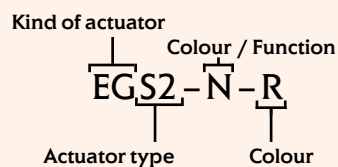
- panel control and signaling system
- control panels

Advantages:

- segmental construction
- simplicity of assembly and dismantling
- mounting in standardized control panel holes
Ø 22,5 mm
- snap mounting system components for brackets
- the ability to cascade system expansion of connectors structure (horizontal and vertical);
- degree of protection IP65
- LVGP (Low Voltage Glow Protection) protects against unwanted illumination of LED in case of low voltage of supply (below 60 V) or appearance of leakage currents



Type Designation:



| Type description | | | | |
|---------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------|
| Kind of actuator | Actuator type | Colour / Function: | Colour: | |
| EG – Non-Illuminated Actuators | F – Flush Head P – Projecting Head | R – Red | | |
| | | G – Green | | |
| | | Y – Yellow | | |
| | | C – Black | | |
| | | B – Blue | | |
| | | A – Orange (Amber) | | |
| | T – Twin touch M – Mushroom | W – White | R – Red | |
| | | C – Black | | |
| | S2 – Selector actuator – symemetric head – 2 position | P – Push Type | R – Red G – Green C – Black W – White | |
| | | T – Push-Turn | | |
| N – Without Self Return | | | | |
| S3 – Selector actuator – symemetric head – 3 position | S – With Self Return | R – Red G – Green C – Black W – White | | |
| | N90* – deflection of 90° between the extreme positions without self return | | | |
| | NN – Without self return from both sides | | | |
| | SS – With self return from both sides | | | |
| K2 – Key – 2 position | SN – Self return from left side | C – Black | | |
| | NS – Self return from right side | | | |
| | XY45* – deflection of 90° between the extreme positions | | | |
| | XZ90* – deflection of 90° between the extreme positions | | | |
| | XY90* – deflection of 90° between the extreme positions | | | |
| K3 – Key – 3 position | XY – Without Self Return | C – Black | | |
| | XZ – With Self Return | | | |
| | ZXZ – With self return from both sides | | | |
| | YXY – Without self return from both sides | | | |
| | ZXY – Self return from left side | | | |
| EG – Illuminated Actuators | PI – Projecting Head Illum. FI – Flush Head Illum. | YXZ – Self return from right side | | |
| | | R – Red | | |
| | | G – Green | | |
| | | Y – Yellow | | |
| | | C – Black | | |
| | | B – Blue | | |
| | TI – Twin touch Illum. | A – Amber | | |
| | | W – White | | |
| | S2I – Selector actuator – symemetric head – 2 position illum. | B – Blue | R – Red G – Green W – White | |
| | | A – Amber | | |
| S – Colourless | | | | |
| S3I – Selector actuator – symemetric head – 3 position illum. | N – Without self return | R – Red G – Green W – White | | |
| | S – With self return | | | |
| EC – Non-Illuminated integrated actuators | F – Flush Head | N90* – deflection of 90° between the extreme positions without self return | R – Red G – Green Y – Yellow C – Black B – Blue A – Orange (Amber) W – White | |
| | | NN – Without self return from both sides | | |
| | | SS – With self return from both sides | | |
| | M – Mushroom | 10 - 1 NO | | R – Red |
| | | 01 - 1 NC | | |
| EC – Illuminated integrated actuators | LI – LED indicator | 11 - 1 NO and 1 NC contacts | R – Red G – Green Y – Yellow B – Blue A – Orange (Amber) W – White | |
| | | P10 - Monostable with 1 NO contact | | |
| | | P01 - Monostable with 1 NC contact | | |
| | | T10 - Push-Turn with 1 NO contact | | |
| | | T01 - Push-Turn with 1 NC contact | | |
| | 024C - 24 V AC/DC | R – Red G – Green Y – Yellow B – Blue A – Orange (Amber) W – White | | |
| | 240A - 240 V AC | | | |
| | | | | |

Note:

*X – Position of removing the key; *Y – Position you can't remove the key; *Z – Position of self returning

*In standard actuators (selector and key actuator) in which after first dash you haven't got any number (for example EGK2-XY-C) then the deflection is 45° and position looks like this



*In two positions key actuators in which after first dash you have got "45" number (for example EGK2-XY45-C) then the deflection is 90° and position looks like this:



*In standard actuators (selector and key actuator) in which after first dash you have got "90" number (for example EGK2-XY90-C) then the deflection is 90° and position looks like this:



Non-illuminated actuators



Flush head pushbutton

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-------|--------|-------------|-------------|-----------------|
| EGF-R | Red | 004771240 | 0,02 | 10/140 |
| EGF-G | Green | 004771241 | 0,02 | 10/140 |
| EGF-C | Black | 004771242 | 0,02 | 10/140 |
| EGF-Y | Yellow | 004771243 | 0,02 | 10/140 |
| EGF-W | White | 004771244 | 0,02 | 10/140 |
| EGF-B | Blue | 004771245 | 0,02 | 10/140 |
| EGF-A | Amber | 004771246 | 0,02 | 10/140 |

Projecting head actuator

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-------|--------|-------------|-------------|-----------------|
| EGP-R | Red | 004771260 | 0,02 | 10/140 |
| EGP-G | Green | 004771261 | 0,02 | 10/140 |
| EGP-C | Black | 004771262 | 0,02 | 10/140 |
| EGP-Y | Yellow | 004771263 | 0,02 | 10/140 |
| EGP-W | White | 004771264 | 0,02 | 10/140 |
| EGP-B | Blue | 004771265 | 0,02 | 10/140 |
| EGP-A | Amber | 004771266 | 0,02 | 10/140 |

Mushroom pushbutton, Push function

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------------|-------------|-------------|-----------------|
| EGM-P-R | Red | 004771280 | 0,024 | 10/140 |
| EGM-P-RCh | Red / Chrome | 004771281 | 0,024 | 10/140 |

Mushroom pushbutton, Push-Turn function

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------------|-------------|-------------|-----------------|
| EGM-T-R | Red | 004771290 | 0,024 | 10/140 |
| EGM-T-RCh | Red / Chrome | 004771291 | 0,024 | 10/140 |

Symetric head actuator, 2 position with non spring return 0-1, 45°

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|----------|--------|-------------|-------------|-----------------|
| EGS2-N-R | Red | 004771300 | 0,019 | 10/140 |
| EGS2-N-G | Green | 004771301 | 0,019 | 10/140 |
| EGS2-N-C | Black | 004771302 | 0,019 | 10/140 |
| EGS2-N-Y | Yellow | 004771303 | 0,019 | 10/140 |
| EGS2-N-W | White | 004771304 | 0,019 | 10/140 |

Symetric head actuator, 2 position with spring return 0-1, 45°

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|----------|--------|-------------|-------------|-----------------|
| EGS2-S-R | Red | 004771310 | 0,019 | 10/140 |
| EGS2-S-G | Green | 004771311 | 0,019 | 10/140 |
| EGS2-S-C | Black | 004771312 | 0,019 | 10/140 |
| EGS2-S-W | White | 004771313 | 0,019 | 10/140 |

Symetric head actuator, 3 position with non spring return 1-0-2, 45°

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|-------------|-----------------|
| EGS3-NN-R | Red | 004771340 | 0,019 | 10/140 |
| EGS3-NN-G | Green | 004771341 | 0,019 | 10/140 |
| EGS3-NN-C | Black | 004771342 | 0,019 | 10/140 |
| EGS3-NN-W | White | 004771343 | 0,019 | 10/140 |

Selector actuator -symmetric head, 2pos. Non spring Return 0-90° deg.

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|------------|--------|-------------|-------------|-----------------|
| EGS2-N90-R | Red | 004771320 | 0,019 | 10/140 |
| EGS2-N90-G | Green | 004771321 | 0,019 | 10/140 |
| EGS2-N90-C | Black | 004771322 | 0,019 | 10/140 |
| EGS2-N90-W | White | 004771323 | 0,019 | 10/140 |

Pushbutton Actuators and LED Indicators

Selector actuator -symmetric head, 3pos. Spring Return

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|-------------|-----------------|
| EGS3-SS-R | Red | 004771344 | 0,019 | 10/140 |
| EGS3-SS-G | Green | 004771345 | 0,019 | 10/140 |
| EGS3-SS-C | Black | 004771346 | 0,019 | 10/140 |
| EGS3-SS-W | White | 004771347 | 0,019 | 10/140 |

Symetric head actuator, 3 position with spring return from left 1-0-2, 45°

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|-------------|-----------------|
| EGS3-SN-R | Red | 004771348 | 0,019 | 10/140 |
| EGS3-SN-G | Green | 004771349 | 0,019 | 10/140 |
| EGS3-SN-C | Black | 004771350 | 0,019 | 10/140 |
| EGS3-SN-W | White | 004771351 | 0,019 | 10/140 |

Symetric head actuator, 3 position with spring return from right 1-0-2, 45°

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|-------------|-----------------|
| EGS3-NS-R | Red | 004771352 | 0,019 | 10/140 |
| EGS3-NS-G | Green | 004771353 | 0,019 | 10/140 |
| EGS3-NS-C | Black | 004771354 | 0,019 | 10/140 |
| EGS3-NS-W | White | 004771355 | 0,019 | 10/140 |

Key actuator, 2 position 0-1, 45°

| Type | Colour | Code number | Function | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|---------------------|-------------|-----------------|
| EGK2-XY-C | Black | 004771370 | Without self return | 0,05 | 10/140 |
| EGK2-XZ-C | Black | 004771372 | With self return | 0,05 | 10/140 |

Key actuator, 2 position 0-1, 90°

| Type | Colour | Code number | Function | Weight [kg] | Packaging [pcs] |
|-------------|--------|-------------|---------------------|-------------|-----------------|
| EGK2-XY45-C | Black | 004771373 | Without self return | 0,05 | 10/140 |
| EGK2-XY90-C | Black | 004771371 | Without self return | 0,05 | 10/140 |
| EGK2-XZ90-C | Black | 004771374 | With self return | 0,05 | 10/140 |

Key actuator, 3 position 1-0-2, 45°

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|------------|--------|-------------|-------------|-----------------|
| EGK3-ZXZ-C | Black | 004771380 | 0,05 | 10/140 |
| EGK3-YXY-C | Black | 004771381 | 0,05 | 10/140 |
| EGK3-ZXY-C | Black | 004771382 | 0,05 | 10/140 |
| EGK3-YYZ-C | Black | 004771383 | 0,05 | 10/140 |

Twin touch actuator

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-------|--------|-------------|-------------|-----------------|
| EGT-C | Black | 004771390 | 0,024 | 10/140 |



Integral Pushbuttons

Flush head integral pushbutton - 1 NO

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|----------|--------|-------------|-------------|-----------------|
| ECF-10-R | Red | 004771450 | 0,021 | 20/300 |
| ECF-10-G | Green | 004771451 | 0,021 | 20/300 |
| ECF-10-Y | Yellow | 004771452 | 0,021 | 20/300 |
| ECF-10-C | Black | 004771453 | 0,021 | 20/300 |
| ECF-10-B | Blue | 004771454 | 0,021 | 20/300 |
| ECF-10-W | White | 004771455 | 0,021 | 20/300 |
| ECF-10-A | Amber | 004771456 | 0,021 | 20/300 |

Flush head integral pushbutton - 1 NC

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|----------|--------|-------------|-------------|-----------------|
| ECF-01-R | Red | 004771460 | 0,021 | 20/300 |
| ECF-01-G | Green | 004771461 | 0,021 | 20/300 |
| ECF-01-Y | Yellow | 004771462 | 0,021 | 20/300 |
| ECF-01-C | Black | 004771463 | 0,021 | 20/300 |
| ECF-01-B | Blue | 004771464 | 0,021 | 20/300 |
| ECF-01-W | White | 004771465 | 0,021 | 20/300 |
| ECF-01-A | Amber | 004771466 | 0,021 | 20/300 |





Flush head integral pushbutton - 1 NO + 1 NC

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|----------|--------|-------------|-------------|-----------------|
| ECF-11-R | Red | 004771470 | 0,025 | 20/300 |
| ECF-11-G | Green | 004771471 | 0,025 | 20/300 |
| ECF-11-Y | Yellow | 004771472 | 0,025 | 20/300 |
| ECF-11-C | Black | 004771473 | 0,025 | 20/300 |
| ECF-11-B | Blue | 004771474 | 0,025 | 20/300 |
| ECF-11-W | White | 004771475 | 0,025 | 20/300 |
| ECF-11-A | Amber | 004771476 | 0,025 | 20/300 |

Mushroom integral actuator, Push function, 1 NO

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|-------------|-----------------|
| ECM-P10-R | Red | 004771480 | 0,028 | 10/150 |

Mushroom integral actuator, Push function, 1 NC

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|-------------|-----------------|
| ECM-P01-R | Red | 004771481 | 0,028 | 10/150 |

Mushroom integral actuator, Push-Turn function, 1 NO

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|-------------|-----------------|
| ECM-T10-R | Red | 004771482 | 0,028 | 10/150 |

Mushroom integral actuator, Push-Turn function, 1 NC

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|-------------|-----------------|
| ECM-T01-R | Red | 004771483 | 0,028 | 10/150 |

Illuminated actuators



Flush head pushbutton

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|--------|--------|-------------|-------------|-----------------|
| EGFI-R | Red | 004771250 | 0,02 | 10/140 |
| EGFI-G | Green | 004771251 | 0,02 | 10/140 |
| EGFI-Y | Yellow | 004771252 | 0,02 | 10/140 |
| EGFI-W | White | 004771253 | 0,02 | 10/140 |
| EGFI-B | Blue | 004771254 | 0,02 | 10/140 |
| EGFI-A | Amber | 004771255 | 0,02 | 10/140 |

Projecting head actuator

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|--------|--------|-------------|-------------|-----------------|
| EGPI-R | Red | 004771270 | 0,02 | 10/140 |
| EGPI-G | Green | 004771271 | 0,02 | 10/140 |
| EGPI-Y | Yellow | 004771272 | 0,02 | 10/140 |
| EGPI-W | White | 004771273 | 0,02 | 10/140 |
| EGPI-B | Blue | 004771274 | 0,02 | 10/140 |
| EGPI-A | Amber | 004771275 | 0,02 | 10/140 |

Symetric head actuator, 2 position with spring return 0-1, 45°




| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|-------------|-----------------|
| EGS2I-S-R | Red | 004771330 | 0,019 | 10/140 |
| EGS2I-S-G | Green | 004771331 | 0,019 | 10/140 |
| EGS2I-S-W | White | 004771332 | 0,019 | 10/140 |

Symetric head actuator, 2 position with non spring return 0-1, 45°




| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-----------|--------|-------------|-------------|-----------------|
| EGS2I-N-R | Red | 004771333 | 0,019 | 10/140 |
| EGS2I-N-G | Green | 004771334 | 0,019 | 10/140 |
| EGS2I-N-W | White | 004771335 | 0,019 | 10/140 |

Pushbutton Actuators and LED Indicators




Symmetric head actuator, 2 position with non spring return 0-1, 90°

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-------------|-----------------------------------------------------------------------------------------|-------------|-------------|-----------------|
| EGS2I-N90-R |  Red | 004771336 | 0,019 | 10/140 |
| EGS2I-N90-G |  Green | 004771337 | 0,019 | 10/140 |
| EGS2I-N90-W |  White | 004771338 | 0,019 | 10/140 |




Symmetric head actuator, 3 position with spring return 1-0-2, 45°

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|------------|-----------------------------------------------------------------------------------------|-------------|-------------|-----------------|
| EGS3I-SS-R |  Red | 004771360 | 0,019 | 10/140 |
| EGS3I-SS-G |  Green | 004771361 | 0,019 | 10/140 |
| EGS3I-SS-W |  White | 004771362 | 0,019 | 10/140 |

Symmetric head actuator, 2 position with non-spring return 1-0-2, 45°

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|------------|-----------------------------------------------------------------------------------------|-------------|-------------|-----------------|
| EGS3I-NN-R |  Red | 004771363 | 0,019 | 10/140 |
| EGS3I-NN-G |  Green | 004771364 | 0,019 | 10/140 |
| EGS3I-NN-W |  White | 004771365 | 0,019 | 10/140 |







Twin touch actuator

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|--------|------------------------------------------------------------------------------------------------|-------------|-------------|-----------------|
| EGTI-A |  Amber | 004771391 | 0,024 | 10/140 |
| EGTI-Y |  Yellow | 004771392 | 0,024 | 10/140 |
| EGTI-S |  Colourless | 004771393 | 0,024 | 10/140 |









Integral LED indicators

LED indicators 24 V AC/DC

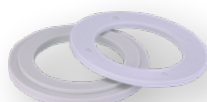
| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-------------|--------------------------------------------------------------------------------------------|-------------|-------------|-----------------|
| ECLI-024C-R |  Red | 004771210 | 0,018 | 20/300 |
| ECLI-024C-G |  Green | 004771211 | 0,018 | 20/300 |
| ECLI-024C-Y |  Yellow | 004771212 | 0,018 | 20/300 |
| ECLI-024C-B |  Blue | 004771213 | 0,018 | 20/300 |
| ECLI-024C-A |  Amber | 004771214 | 0,018 | 20/300 |
| ECLI-024C-W |  White | 004771215 | 0,018 | 20/300 |

LED indicators 240 V AC

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-------------|--------------------------------------------------------------------------------------------|-------------|-------------|-----------------|
| ECLI-240A-R |  Red | 004771230 | 0,018 | 20/300 |
| ECLI-240A-G |  Green | 004771231 | 0,018 | 20/300 |
| ECLI-240A-Y |  Yellow | 004771232 | 0,018 | 20/300 |
| ECLI-240A-B |  Blue | 004771233 | 0,018 | 20/300 |
| ECLI-240A-A |  Amber | 004771234 | 0,018 | 20/300 |
| ECLI-240A-W |  White | 004771235 | 0,018 | 20/300 |



Accessories



Contacts

| Type | Function | Code number | Weight [kg] | Packaging [pcs] |
|------|------------------------------|-------------|-------------|-----------------|
| E-NO | Normally open contact - NO | 004771500 | 0,008 | 20/1000 |
| E-NC | Normally closed contact - NC | 004771501 | 0,008 | 20/1000 |

LED holder 24 V AC/DC

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-------------|--------|-------------|-------------|-----------------|
| Eahi-024C-R | Red | 004771508 | 0,01 | 30/450 |
| Eahi-024C-G | Green | 004771509 | 0,01 | 30/450 |
| Eahi-024C-Y | Yellow | 004771510 | 0,01 | 30/450 |
| Eahi-024C-A | Amber | 004771511 | 0,01 | 30/450 |
| Eahi-024C-B | Blue | 004771512 | 0,01 | 30/450 |
| Eahi-024C-W | White | 004771513 | 0,01 | 30/450 |

LED holder 240 V AC

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-------------|--------|-------------|-------------|-----------------|
| Eahi-240A-R | Red | 004771502 | 0,01 | 30/450 |
| Eahi-240A-G | Green | 004771503 | 0,01 | 30/450 |
| Eahi-240A-Y | Yellow | 004771504 | 0,01 | 30/450 |
| Eahi-240A-A | Amber | 004771505 | 0,01 | 30/450 |
| Eahi-240A-B | Blue | 004771506 | 0,01 | 30/450 |
| Eahi-240A-W | White | 004771507 | 0,01 | 30/450 |

Lens cap, for non-illuminated Flush head pushbuttons

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|-------|--------|-------------|-------------|-----------------|
| EAF-R | Red | 004771518 | 0,002 | 50 |
| EAF-G | Green | 004771520 | 0,002 | 50 |
| EAF-Y | Yellow | 004771522 | 0,002 | 50 |
| EAF-A | Amber | 004771526 | 0,002 | 50 |
| EAF-B | Blue | 004771524 | 0,002 | 50 |
| EAF-W | White | 004771515 | 0,002 | 50 |

Lens cap, for illuminated Flush head pushbuttons

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|--------|------------|-------------|-------------|-----------------|
| EAFI-S | Colourless | 004771514 | 0,002 | 50 |
| EAFI-R | Red | 004771519 | 0,002 | 50 |
| EAFI-G | Green | 004771521 | 0,002 | 50 |
| EAFI-Y | Yellow | 004771523 | 0,002 | 50 |
| EAFI-A | Amber | 004771527 | 0,002 | 50 |
| EAFI-B | Blue | 004771525 | 0,002 | 50 |

Adaptor Rings from 30 to 22mm

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|------------|--------|-------------|-------------|-----------------|
| EAR-F/R-Gr | Grey | 004771530 | 0,002 | 50 |
| EAR-R-Gr | Grey | 004771531 | 0,002 | 50 |
| EAR-F/R-C | Black | 004771535 | 0,002 | 50 |
| EAR-F-C | Black | 004771536 | 0,002 | 50 |
| EAR-F/R-Ch | Chrome | 004771540 | 0,002 | 50 |
| EAR-R-Ch | Chrome | 004771541 | 0,002 | 50 |

Blanking Plugs

| Typ | Colour | Code number | Weight [kg] | Packaging [pcs] |
|----------|--------|-------------|-------------|-----------------|
| EAB-C-Gr | Grey | 004771532 | 0,004 | 50 |
| EAB-F-Gr | Grey | 004771533 | 0,004 | 50 |
| EAB-C-C | Black | 004771537 | 0,004 | 50 |
| EAB-F-C | Black | 004771538 | 0,004 | 50 |
| EAB-C-Ch | Chrome | 004771542 | 0,004 | 50 |
| EAB-F-Ch | Chrome | 004771543 | 0,004 | 50 |

Pushbutton Actuators and LED Indicators

Collar

| Type | Colour | Code number | Weight [kg] | Packaging [pcs] |
|--------|--------|-------------|-------------|-----------------|
| EAC-C | Black | 004771528 | 0,002 | 50 |
| EAC-Ch | Chrome | 004771529 | 0,002 | 50 |

Antirotation ring

| Type | Code number | Weight [kg] | Packaging [pcs] |
|------|-------------|-------------|-----------------|
| EAA | 004771534 | 0,002 | 50 |

Other

| Type | Function | Code number | Weight [kg] | Packaging [pcs] |
|------|---------------|-------------|-------------|-----------------|
| EAX | Fixing device | 004771539 | 0,029 | 50 |
| EALP | Legend plate | 004771544 | 0,002 | 50 |



LS LED indicators

Application:

- signaling the operating states of: electrical circuits, devices (switched off / switched on) and technological processes
- control panels
- replace incandescent lamps, neon and more

Advantages:

- LED long life
- ease of installation
- reliability



LS LED indicators

| Type | Code number | Name | Packaging [pcs] |
|---------------------------------------|-------------|---------------------------------------|-----------------|
| LED indicator d=5 mm 24 V AC | | | |
| LS LED 5 G 24 | 004770801 | LED indicator d=5 mm green 24 V AC | 25/50/100 |
| LS LED 5 R 24 | 004770802 | LED indicator d=5 mm red 24 V AC | 25/50/100 |
| LS LED 5 Y 24 | 004770803 | LED indicator d=5 mm yellow 24 V AC | 25/50/100 |
| LED indicator d=5 mm 230 V AC | | | |
| LS LED 5 G 230 | 004770804 | LED indicator d=5 mm green 230 V AC | 25/50/100 |
| LS LED 5 R 230 | 004770805 | LED indicator d=5 mm red 230 V AC | 25/50/100 |
| LS LED 5 Y 230 | 004770806 | LED indicator d=5 mm yellow 230 V AC | 25/50/100 |
| LED indicator d=10 mm 24 V AC | | | |
| LS LED 10 G 24 | 004770807 | LED indicator d=10 mm green 24 V AC | 25/50/100 |
| LS LED 10 R 24 | 004770808 | LED indicator d=10 mm red 24 V AC | 25/50/100 |
| LS LED 10 Y 24 | 004770809 | LED indicator d=10 mm yellow 24 V AC | 25/50/100 |
| LED indicator d=10 mm 230 V AC | | | |
| LS LED 10 G 230 | 004770810 | LED indicator d=10 mm green 230 V AC | 25/50/100 |
| LS LED 10 R 230 | 004770811 | LED indicator d=10 mm red 230 V AC | 25/50/100 |
| LS LED 10 Y 230 | 004770812 | LED indicator d=10 mm yellow 230 V AC | 25/50/100 |
| LED indicator d=20 mm 24 V AC | | | |
| LS LED 20 G 24 | 004770813 | LED indicator d=20 mm green 24 V AC | 25/50/100 |
| LS LED 20 R 24 | 004770814 | LED indicator d=20 mm red 24 V AC | 25/50/100 |
| LS LED 20 Y 24 | 004770815 | LED indicator d=20 mm yellow 24 V AC | 25/50/100 |
| LED indicator d=20 mm 230 V AC | | | |
| LS LED 20 G 230 | 004770816 | LED indicator d=20 mm green 230 V AC | 25/50/100 |
| LS LED 20 R 230 | 004770817 | LED indicator d=20 mm red 230 V AC | 25/50/100 |
| LS LED 20 Y 230 | 004770818 | LED indicator d=20 mm yellow 230 V AC | 25/50/100 |

Push-button stations and enclosures

Push-button stations



| Pushbutton stations | | | | | | |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------|-------------|-------------|-----------------|
| Type | Description | Function | Scheme | Code number | Weight [kg] | Packaging [pcs] |
| ESE1-V2 | Single station Flush head pushbutton - Red - STOP - 1,NC' | STOP (Red) | | 004771440 | 0,073 | 1/50 |
| ESE1-V3 | Single station Flush head pushbutton - Green - START - 1,NO | START (Green) | | 004771441 | 0,073 | 1/50 |
| ESE2-V4 | Two station - Flush head pushbutton - Green - START - 1,NO'; Flush head pushbutton - Red - STOP - 1,NC' | START (Green) STOP (Red) | | 004771442 | 0,127 | 1/50 |
| ESE2-V5 | Two station - Flush head pushbutton - Green - START - 1,NO'; Mushroom Head Actuator - Red - STOP - 1,NC' | ON (Green) OFF (Red) | | 004771443 | 0,135 | 1/50 |
| ESE3-V6 | Three station - Flush head pushbutton - Green - FORWARD - 1,NO'; Flush head pushbutton - Red - STOP - 1,NC' Flush head pushbutton - Green - REVERSE - 1,NO' | FORWARD (Green) STOP (Red) REVERSE (Green) | | 004771444 | 0,169 | 1/50 |
| ESE3-V7 | Three station - Flush head pushbutton - Green - UP - 1,NO'; Flush head pushbutton - Red - STOP - 1,NC'; Flush head pushbutton - Green - DOWN - 1,NO' | UP (Green) STOP (Red) DOWN (Green) | | 004771445 | 0,169 | 1/50 |
| ESE3-V8 | Three station - Red LED indicator 240V; Flush head pushbutton - Green - START - 1,NO'; Flush head pushbutton - RED - STOP - 1,NC' | LED indicator (Red) START (Green) STOP (Red) | | 004771446 | 0,172 | 1/50 |
| ESE1Y-V1 | Emergency STOP - Yellow cover, black base - Red Actuator | STOP (Red) | | 004771447 | 0,073 | 1/50 |

Pushbutton stations and enclosures

Application:

Pushbutton stations are designed to control and operate gantries, cranes and lifts. They ensure easy and trouble-free operation in a variety of weather conditions.

Advantages:

- Protection class IP65
- Possibility of mounting integral pushbuttons and LED indicators
- Durability and reliability

Enclosures

Empty enclosures

| Type | Description | Code number | Weight [kg] | Packaging [pcs] |
|-------|----------------------------------------------------|-------------|-------------|-----------------|
| ESE1 | Single station enclosure | 004771545 | 0,054 | 1/50 |
| ESE2 | Two station enclosure | 004771546 | 0,093 | 1/40 |
| ESE3 | Three station enclosure | 004771547 | 0,11 | 1/30 |
| ESE1Y | Single station enclosure, yellow cover/ black base | 004771548 | 0,054 | 1/50 |

For empty enclosures can be mounted only integral pushbuttons and LED indicators



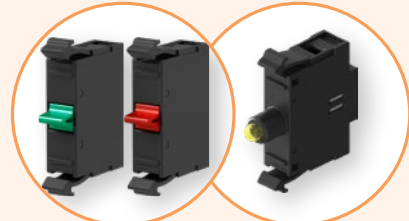
Pushbuttons, selector switches, lights and control station enclosures



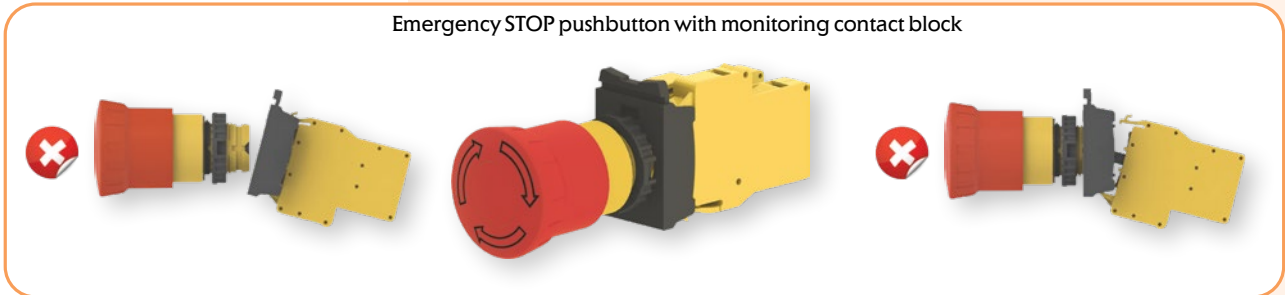
→ Standard device includes: the module itself, rubber seal, nut



→ Cascade installation option for up to three levels



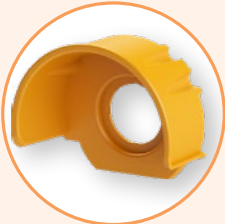
→ Possibility to mount contact blocks as well as LED module



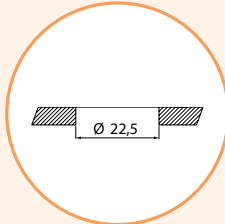
→ Latch module for set-reset function. Changes the position of the contacts of contact block by pressing once - latch function



→ Protection against accidental emergency pushbutton



→ Standard mounting diameter Ø22.5mm



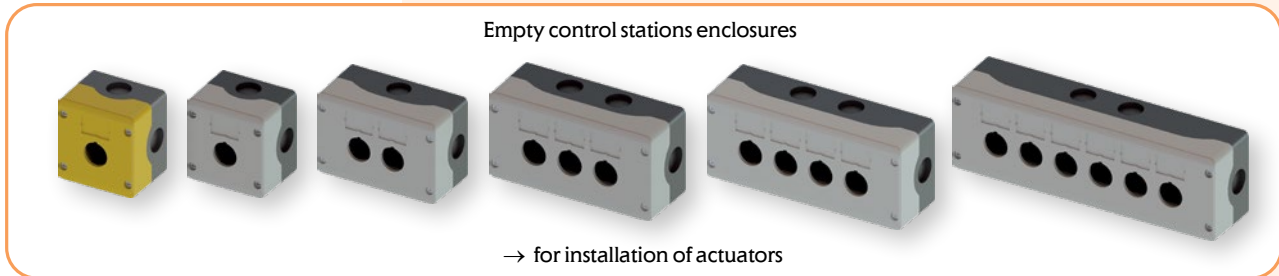
→ Protective silicone cap for extra protection against dust and moisture



→ Adaptor for mounting actuators on the DIN rail



→ Label plates



Actuators and enclosures

Pushbuttons, switches and signal lamps

| | |
|-------------------------|--------------------------------------------------|
| Standards | IEC 60947-5-1, ISO 13850 (EN 418), IEC 60947-5-5 |
| Certificates | CE |
| Base material | Polyamide (PA66) or polycarbonate (PC) |
| Degree of protection IP | IP66 and IP52 (PB2I-F/RG) according to IEC 60529 |

Mechanical life

| | |
|----------------------------|----------------------------|
| Pushbuttons | 3 x 10 ⁶ cycles |
| Twin pushbuttons | 2 x 10 ⁶ cycles |
| Mushroom pushbuttons | 3 x 10 ⁵ cycles |
| Emergency STOP pushbuttons | 1 x 10 ⁵ cycles |
| Switch selectors | 1 x 10 ⁶ cycles |
| Applications | Outside or inside |

Contact blocks

| | |
|-------------------------------------|--------------------------------------------------|
| Rated insulation voltage Ui | 690 V |
| Rated insulation voltage pulse Uimp | 4 kV |
| IP degree of protection (IEC 60529) | IP20 |
| Conventional thermal current Ith | 10 A |
| Conformity to standards | IEC 60947-5-1, ISO 13850 (EN 418), IEC 60947-5-5 |
| Certifications | CE |

Electrical characteristics according to IEC 60947-5-1

| | BC...CS-NO/NC | | BC-NC-PBM | |
|-----------------------------------------|--------------------------------------------------------------------------------------|----------|-----------|--------|
| | Ue (V AC) | Ie (A) | Ue (V AC) | Ie (A) |
| Application Category AC-15 | 24 | 10 | 24 | 6 |
| | 48 | 10 | 48 | 6 |
| | 60 | 10 | 60 | 6 |
| | 110 | 6 | 110 | 6 |
| | 220 | 3 | 220 | 3 |
| | 380 | 2 | 380 | 2 |
| | 500 | 1,5 | 500 | 1,5 |
| Category of DC-13 application | 600 | 1,2 | 600 | 1,2 |
| | Ue (V DC) | Ie (A) | Ue (V DC) | Ie (A) |
| | 24 | 2,5 | 24 | 2,5 |
| | 48 | 1,4 | 48 | 1,4 |
| | 60 | 1 | 60 | 1 |
| | 110 | 0,55 | 110 | 0,55 |
| | 220 | 0,27 | 220 | 0,27 |
| UL and CSA compliant design | 300 | 0,2 | 300 | 0,2 |
| | 600 | 0,1 | 600 | 0,1 |
| | AC/Heavy duty mode (A600) and DC/Standard mode (Q600) | | - | |
| | Contact resistance (IEC 60255) | ≤ 25m Ω | | |
| | Protection against electric shock (IEC 60536) | Class II | | |
| Cross-section of connectable conductors | 1 x 0,5 mm ² ... 2 x 2,5 mm ² | | | |
| Terminal torque | 0,8 Nm | | | |
| Operational temperature | -25°C ... 70°C | | | |
| Vibration resistance (IEC 60068-2-6) | 16 g for a frequency range of 40 to 500 Hz. Maximum gap of 0.75 mm (peak to peak) | | | |
| Mechanical life | 1 x 10 ⁶ cycles | | | |

Features:

- modular design,
- standard mounting diameter Ø22.5mm,
- snap fastening system,
- cascade installation possibility,
- IP66 degree of protection,
- silicone antidust covers.

LED module

| | |
|---------------------------------------------|-----------------------------------------------------|
| Standards | IEC 60947-5-1 |
| Operating voltage range | 0,85...1,10 x Ue |
| Degree of protection IP (IEC 60529) | IP20 |
| Consumption (V AC/V DC) | 10 mA |
| Rated insulation voltage Ui (IEC 60947-1) | 2,5 kV |
| Operational temperature range | -25°C ... 70°C |
| Lifetime | at least 100,000 hours |
| The power of light | Red 70 mcd |
| | Yellow 115 mcd |
| | White 275 mcd |
| | Blue 64 mcd |
| Cross-section of conductors to be connected | Green 150 mcd |
| | 1 x 0,5 mm ² ... 2 x 2,5 mm ² |
| Terminal torque | 0,8 Nm |

Non-illuminated actuators



Flush head pushbutton (spring return, non-illuminated)

| Type | Colour | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|-----------|----------|-----------|------------|-------------|-----------------|
| NSE-PBF-W | ○ White | 004774000 | | 0,021 | 1/10 |
| NSE-PBF-R | ● Red | 004774001 | | 0,021 | 1/10 |
| NSE-PBF-G | ● Green | 004774002 | | 0,021 | 1/10 |
| NSE-PBF-Y | ● Yellow | 004774003 | | 0,021 | 1/10 |
| NSE-PBF-B | ● Blue | 004774004 | | 0,021 | 1/10 |
| NSE-PBF-C | ● Black | 004774005 | | 0,021 | 1/10 |

* Important: The holder and contact block are not included



Extended head pushbutton (spring return, non-illuminated)

| Type | Colour | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|-----------|----------|-----------|------------|-------------|-----------------|
| NSE-PBP-W | ○ White | 004774010 | | 0,021 | 1/10 |
| NSE-PBP-R | ● Red | 004774011 | | 0,021 | 1/10 |
| NSE-PBP-G | ● Green | 004774012 | | 0,021 | 1/10 |
| NSE-PBP-Y | ● Yellow | 004774013 | | 0,021 | 1/10 |
| NSE-PBP-B | ● Blue | 004774014 | | 0,021 | 1/10 |
| NSE-PBP-C | ● Black | 004774015 | | 0,021 | 1/10 |

* Important: The holder and contact block are not included



Mushroom pushbutton Ø 40 mm (spring return, non-illuminated)

| Type | Colour | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|-----------|---------|-----------|------------|-------------|-----------------|
| NSE-PBM-R | ● Red | 004774020 | | 0,024 | 1/10 |
| NSE-PBM-G | ● Green | 004774021 | | 0,024 | 1/10 |
| NSE-PBM-C | ● Black | 004774022 | | 0,024 | 1/10 |

* Important: The holder and contact block are not included



Mushroom pushbutton Ø 40 mm (latch, with key to release, non-illuminated)

| Type | Colour / description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|-------------|--------------------------------------------------------|-----------|------------|-------------|-----------------|
| NSE-PBM-R-K | ● Red mushroom pushbutton (latch, with key to release) | 004774023 | | 0,09 | 1/10 |

* Important: The holder and contact block are not included



Twin pushbutton (spring return, non-illuminated)

| Type | Colour / description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|-----------------|----------------------------|-----------|------------|-------------|-----------------|
| NSE-PB2/RG-IO | ● Green/Red (I/O) | 004774030 | | 0,025 | 1/25 |
| NSE-PB2/RG-STSP | ● Green/Red (START/STOP) | 004774031 | | 0,025 | 1/25 |
| NSE-PB2/RG | ● Green/Red | 004774032 | | 0,025 | 1/25 |
| NSE-PB2/WC-IO | ○ White/Black (I/O) | 004774033 | | 0,025 | 1/25 |
| NSE-PB2/WC-STSP | ○ White/Black (START/STOP) | 004774034 | | 0,025 | 1/25 |
| NSE-PB2/WC | ○ White/Black | 004774035 | | 0,025 | 1/25 |
| NSE-PB2/CC-PN | ● Black/Black (+/-) | 004774036 | | 0,025 | 1/25 |
| NSE-PB2/CC-FR | ● Black/Black (↑/↓) | 004774037 | | 0,025 | 1/25 |

* Important: The holder and contact block are not included

Pushbuttons, selector switches, lights and control station enclosures

Emergency STOP mushroom pushbutton Ø 42 mm (latch, non-illuminated)

| Type | Colour / description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|--------------|---------------------------------------------|-----------|------------|-------------|-----------------|
| NSE-PBM-T-R | ● Red (turn to release) | 004774040 | | 0,049 | 1/10 |
| NSE-PBM-T-RG | ● Red (turn to release, with indication) | 004774042 | | | |
| NSE-PBM-P-R | ● Red (pull to release) | 004774041 | | | |
| NSE-PBM-P-RG | ● Red (pull to release, with indication) | 004774043 | | | |



* Important: The holder and contact block are not included

Two-position switch selector "0-1" (non-illuminated)

| Type | Colour / description | Scheme | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|------------|--------------------------------|--------|-----------|------------|-------------|-----------------|
| NSE-S2-F45 | ● Black 45° (latch) | | 004774080 | | 0,025 | 1/10 |
| NSE-S2-F90 | ● Black 90° (latch) | | 004774081 | | 0,025 | |
| NSE-S2-R45 | ● Black 45° (spring return) | | 004774082 | | 0,025 | |
| NSE-S2-R90 | ● Black 90° (spring return) | | 004774083 | | 0,025 | |



* Important: The holder and contact block are not included

Switch key selector "0-1" (latch, non-illuminated)

| Type | Colour / description | Scheme | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|-------------|------------------------|--------|-----------|------------|-------------|-----------------|
| NSE-S2K-F45 | ● Black 45° (latch) | | 004774088 | | 0,087 | 1 |



* Important: The holder and contact block are not included

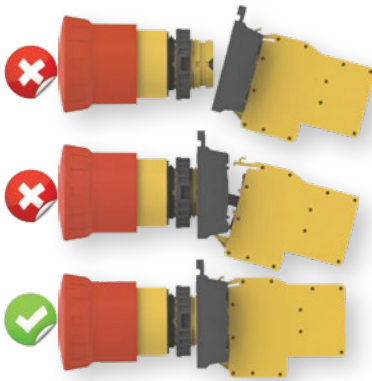
Three-position switch selector "1-0-2" (non-illuminated)

| Type | Colour / description | Scheme | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|-------------|-----------------------------------------|--------|-----------|------------|-------------|-----------------|
| NSE-S3-F45 | ● Black 45° (latch) | | 004774084 | | 0,025 | 1/10 |
| NSE-S3-R45 | ● Black 45° (spring return) | | 004774085 | | 0,025 | |
| NSE-S3-RL45 | ● Black, 45° (spring return left side) | | 004774086 | | 0,025 | |
| NSE-S3-RR45 | ● Black, 45° (spring return right side) | | 004774087 | | 0,025 | |



* Important: The holder and contact block are not included

Mushroom pushbuttons for emergency STOP with monitoring function



Application - metering and signalling panels, control panels.
 Emergency Mushroom pushbuttons are one of the most common and important devices for emergency shutdown and indication in case of emergency situations arising in electrical equipment circuits and control panels.
 Warning: if the components are not installed correctly, the function of the appliance may be impaired. This can result in an emergency shutdown blockage, exposing users to additional risks.

- The NSE-BC-NC-PBM self-monitoring contact block is designed to provide a higher level of installation safety and control. Its use with the NSE-PBM-T-RGM/NSE-PBM-P-RGM range of Emergency STOP pushbuttons provides electrical interlocking in the event of incomplete or incorrectly assembled Emergency Stop button components.
- Developed in accordance with international standards IEC 60947-5-5 and UL 508

Emergency STOP mushroom pushbutton Ø 42 mm, self-monitoring function (latch, non-illuminated)

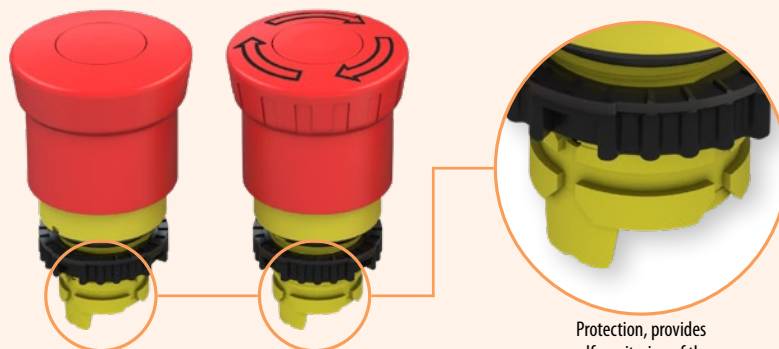
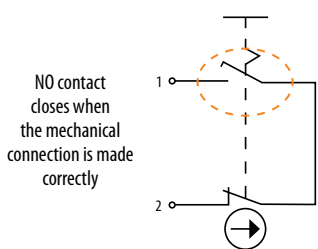
| Type | Colour / description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|---------------|---------------------------------------------------------------------|-----------|------------|-------------|-----------------|
| NSE-PBM-T-RGM | Red ● (turn to release, with indication, self monitoring option) | 004774044 | | 0,058 | 1/10 |
| NSE-PBM-P-RGM | Red ● (pull to release, with indication, self monitoring option) | 004774045 | | 0,058 | 1/10 |

* Important: The holder and contact block are not included

Contact block with self-monitoring function

| Type | Description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|---------------|-------------------|-----------|------------|-------------|-----------------|
| NSE-BC-NC-PBM | 1NC contact block | 004774114 | | 0,023 | 1/10 |

Circuit diagram



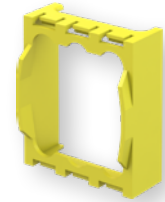
Protection, provides selfmonitoring of the mechanical assembly.

Pushbuttons, selector switches, lights and control station enclosures

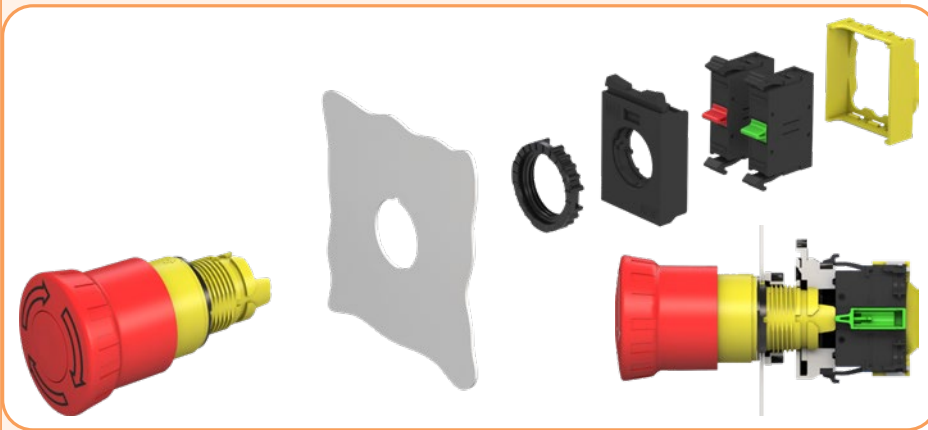
When using standard contact blocks, the NSE-PBMH retainer must be used. The contact block retainer allows all elements to be assembled into a single unit, provides greater safety and reduces the possibility of operating errors.

Contact block retainer

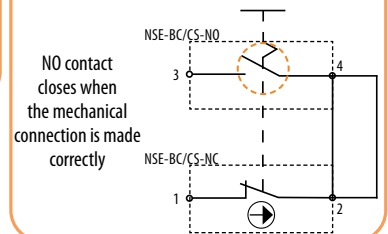
| Type | Description | Code no | Compatibility | Weight [kg] | Packaging [pcs] |
|----------|--------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------|-------------|-----------------|
| NSE-PBMH | Contact block retainer for checking the mechanical assembly. | 004774046 | Max number of contact blocks: 3 NSE-BC/CS-NO/NC blocks. Note: Does not allow overlapping of contacts | 0,002 | 1/1 |



Installation of standard contact blocks for panel mounting



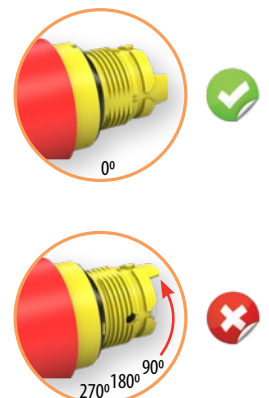
Wiring diagram for mounting standard contact blocks to ensure correct installation



Installation of standard contact blocks for enclosure mounting



When installing the emergency STOP pushbuttons, this installation makes it possible to check the correct assembly



Illuminated actuators



Flush head pushbutton (spring return, non-illuminated)

| Type | Colour | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|------------|----------|-----------|------------|-------------|-----------------|
| NSE-PBFI-W | ○ White | 004774050 | | 0,021 | 1/10 |
| NSE-PBFI-R | ● Red | 004774051 | | 0,022 | 1/10 |
| NSE-PBFI-G | ● Green | 004774052 | | 0,022 | 1/10 |
| NSE-PBFI-Y | ● Yellow | 004774053 | | 0,022 | 1/10 |
| NSE-PBFI-B | ● Blue | 004774054 | | 0,022 | 1/10 |

* Important: The holder and contact block are not included



Extended head pushbutton (spring return, non-illuminated)

| Type | Colour | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|------------|---------|-----------|------------|-------------|-----------------|
| NSE-PBPI-R | ● Red | 004774060 | | 0,021 | 1/10 |
| NSE-PBPI-G | ● Green | 004774061 | | 0,021 | 1/10 |

* Important: The holder and contact block are not included



Mushroom pushbutton Ø 40 mm (spring return, non-illuminated)

| Type | Colour | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|------------|--------|-----------|------------|-------------|-----------------|
| NSE-PBMI-R | ● Red | 004774062 | | 0,026 | 1/10 |

* Important: The holder and contact block are not included



Twin pushbutton (spring return, non-illuminated)

| Type | Colour / description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|------------------|----------------------------|-----------|------------|-------------|-----------------|
| NSE-PB2I/RG-IO | ● Green/Red (I/O) | 004774070 | | 0,025 | 1/25 |
| NSE-PB2I/RG-STSP | ● Green/Red (START/STOP) | 004774071 | | 0,025 | 1/25 |
| NSE-PB2I/RG | ● Green/Red | 004774072 | | 0,025 | 1/25 |
| NSE-PB2I/WC-IO | ○ White/Black (I/O) | 004774073 | | 0,025 | 1/25 |
| NSE-PB2I/WC-STSP | ○ White/Black (START/STOP) | 004774074 | | 0,025 | 1/25 |
| NSE-PB2I/WC | ○ White/Black | 004774075 | | 0,025 | 1/25 |
| NSE-PB2I/CC-PN | ● Black/Black (+/-) | 004774076 | | 0,025 | 1/25 |
| NSE-PB2I/CC-FR | ● Black/Black (↑/↓) | 004774077 | | 0,025 | 1/25 |

* Important: The holder and contact block are not included



IP52 twin pushbutton (spring return, non-illuminated)

| Type | Colour / description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|------------------|----------------------|-----------|------------|-------------|-----------------|
| NSE-PB2I-F/RG-IO | ● Green/Red (I/O) | 004774078 | | 0,025 | 1/10 |

* Important: The holder and contact block are not included



Two-position switch selector "0-1" (illuminated)

| Type | Colour / description | Scheme | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|---------------|------------------------|--------|-----------|------------|-------------|-----------------|
| NSE-S2I-F90-R | ● Red 90° (latch) | | 004774090 | | 0,02 | 1/10 |
| NSE-S2I-F90-G | ● Green 90° (latch) | | 004774091 | | 0,02 | |

* Important: The holder and contact block are not included



Three-position switch selector "1-0-2" (illuminated)

| Type | Colour / description | Scheme | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|---------------|-------------------------|--------|-----------|------------|-------------|-----------------|
| NSE-S3I-F45-R | ● Red 45° (latch) | | 004774092 | | 0,02 | 1/10 |
| NSE-S3I-F45-G | ● Green 45° (latch) | | 004774093 | | 0,02 | |
| NSE-S3I-F45-Y | ● Yellow 45° (latch) | | 004774094 | | 0,02 | |

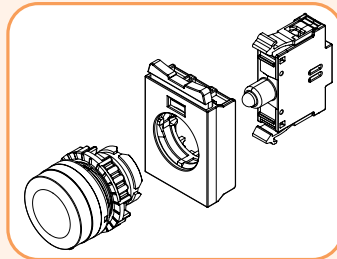
* Important: The holder and contact block are not included

Caps for LED module

Caps for LED module

| Type | Colour | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|--------------|----------|-----------|------------|-------------|-----------------|
| NSE-ILM-HD-W | ○ White | 004774130 | | 0,016 | 1/10 |
| NSE-ILM-HD-R | ● Red | 004774131 | | 0,016 | 1/10 |
| NSE-ILM-HD-G | ● Green | 004774132 | | 0,016 | 1/10 |
| NSE-ILM-HD-Y | ● Yellow | 004774133 | | 0,016 | 1/10 |
| NSE-ILM-HD-B | ● Blue | 004774134 | | 0,016 | 1/10 |
| NSE-ILM-HD-O | ● Orange | 004774135 | | 0,016 | 1/10 |

* Important: The holder and LED module are not included.



Accessories

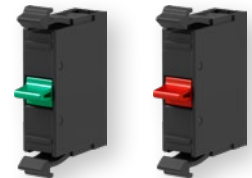
Holder for contact blocks and LED modules

| Type | Description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|------------|--------------------------|-----------|------------|-------------|-----------------|
| NSE-FL3/10 | 3 module holder (10 pcs) | 004774100 | | 0,013 | 10 |
| NSE-FL3 | 3 module holder (1 pc) | 004774101 | | 0,013 | 1/25 |
| NSE-FL5/5 | 5 module holder (5 pcs) | 004774102 | | 0,02 | 5 |
| NSE-FL5 | 5 module holder (1 pc) | 004774103 | | 0,02 | 1 |



Contact block

| Type | Description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|--------------|----------------------------|-----------|------------|-------------|-----------------|
| NSE-BC-NO/10 | 1NO contact block (10 pcs) | 004774110 | | 0,015 | 10 |
| NSE-BC-NO | 1NO contact block (1 pc) | 004774111 | | 0,015 | 1/25 |
| NSE-BC-NC/10 | 1NC contact block (10 pcs) | 004774112 | | 0,015 | 10 |
| NSE-BC-NC | 1NC contact block (1 pc) | 004774113 | | 0,015 | 1/25 |

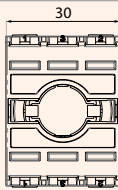


LED module

| Type | Colour | Voltage | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|----------------|----------|-----------|-----------|------------|-------------|-----------------|
| NSE-ILM-024U-W | ○ White | 24V AC/DC | 004774120 | | 0,016 | 1/10 |
| NSE-ILM-024U-R | ● Red | 24V AC/DC | 004774121 | | | |
| NSE-ILM-024U-G | ● Green | 24V AC/DC | 004774122 | | | |
| NSE-ILM-024U-Y | ● Yellow | 24V AC/DC | 004774123 | | | |
| NSE-ILM-024U-B | ● Blue | 24V AC/DC | 004774124 | | | |
| NSE-ILM-240V-W | ○ White | 240 V AC | 004774125 | | | |
| NSE-ILM-240V-R | ● Red | 240 V AC | 004774126 | | | |
| NSE-ILM-240V-G | ● Green | 240 V AC | 004774127 | | | |
| NSE-ILM-240V-Y | ● Yellow | 240 V AC | 004774128 | | | |
| NSE-ILM-240V-B | ● Blue | 240 V AC | 004774129 | | | |

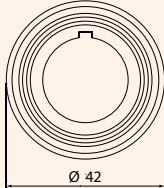


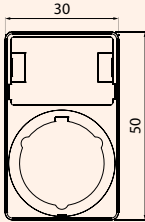
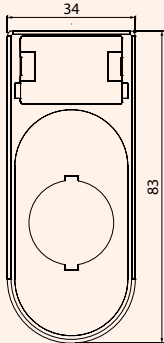


| Latch module | | | | | |
|--------------|-----------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-------------|-----------------|
| Type | Description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
| NSE-BC-LF | For set-reset function. Changes the position of the contacts of contact block by pressing once - latch funktion | 004774115 |  | 0,019 | 1 |

* Important:
Mechanical push-on/push-off block for contact blocks mounted on buttons: CSW-BF, CSW-BFI, CSW-BS, CSW-BSI, CSW-BGA, CSW-BC, CSW-BCI
Note: use ONLY with contact block NSE-BC-NC (1NC) and NOT with NO contact block!!!



| Adaptor ring | | | | | |
|--------------|-----------------------|-----------|------------------------------------------------------------------------------------|-------------|-----------------|
| Type | Description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
| NSE-RR-30/22 | Ø 30 mm ... Ø 22,5 mm | 004774140 |  | 0,006 | 1 |

| Label plates | | | | | |
|--------------|------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|-------------|-----------------|
| Type | Description / Compatibility | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
| NSE-PH-SB+MP | Label plate for marking plate (27 x 18 mm) with transparent cover | 004774141 |  | 0,004 | 5 |
| NSE-PH-SB | Label plate for marking plate (27 x 18 mm) without transparent cover | 004774143 | | | |
| NSE-PH-DB+MP | Label plate for marking plate (27 x 18 mm) with transparent cover, for IP52 twin pushbutton module | 004774142 |  | 0,004 | 5 |
| NSE-PH-DB | Label plate for marking plate (27 x 18 mm) with transparent cover, for IP52 twin pushbutton module without transparent cover | 004774144 | | | |



NSE-PH-SB+MP



NSE-PH-SB

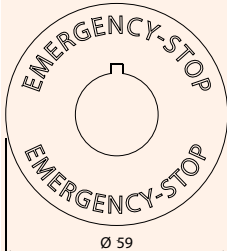


NSE-PH-DB+MP



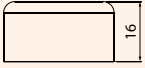
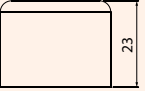
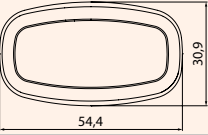
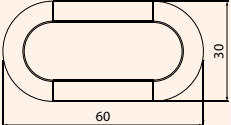
NSE-PH-DB



| Nameplate ring | | | | | |
|----------------|----------------------|-----------|--------------------------------------------------------------------------------------|-------------|-----------------|
| Type | Colour / Description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
| NSE-PL-EMG | ● Emergency STOP | 004774145 |  | 0,009 | 5 |

Pushbuttons, selector switches, lights and control station enclosures

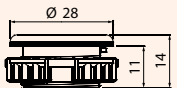
Protective silicone cap

| Type | Compatibility | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|----------------|----------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|-------------|-----------------|
| NSE-SPC-PBF | Flush head non-illuminated pushbuttons and caps for LED module | 004774170 |  | 0,005 | 5 |
| NSE-SPC-PBP | Extended head and non-illuminated flush head pushbuttons | 004774171 |  | 0,005 | 5 |
| NSE-SPC-PB2* | Twin pushbuttons | 004774172 |  | 0,005 | 5 |
| NSE-SPC-PB2-F* | IP52 twin pushbutton, to ensure IP66 degree of protection | 004774173 |  | 0,006 | 5 |

** Important: Not compatible with pushbutton in control station enclosures

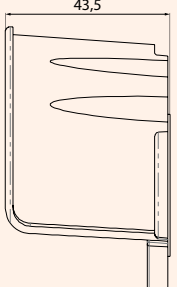


Plug

| Type | Description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|--------|----------------|-----------|-----------------------------------------------------------------------------------|-------------|-----------------|
| NSE-HP | Plug Ø 22,5 mm | 004774174 |  | 0,008 | 5 |



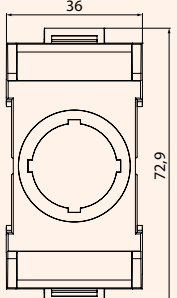
ES protection

| Type | Description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|------------|-------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-------------|-----------------|
| NSE-PC-PBM | Protection against accidental pressing of the emergency STOP pushbutton | 004774175 |  | 0,027 | 1 |

* Important: Only applicable for NSE-CS1-Y. You could install this accessory with other control stations models but you will need to disenable one hole closer this accessory

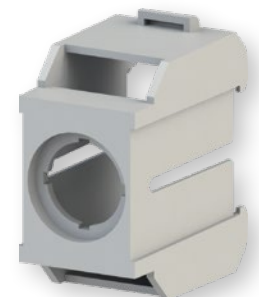


Adaptor for mounting actuators on DIN rail

| Type | Description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-------------|-----------------|
| NSE-ADR-1M | Allows the pushbutton/signal lamp/switch to be mounted on a 35mm DIN rail. Note: Does not allow the following accessories to be used: - Self-monitoring contact block (BCM01F-CSW); - 5-module contact block holder. | 004774176 |  | 0,033 | 1 |

*Important: Not compatible with self-monitoring contact block NSE-BC-NC-PBM

*Important: Not compatible with the 5 module holder NSE-FL5

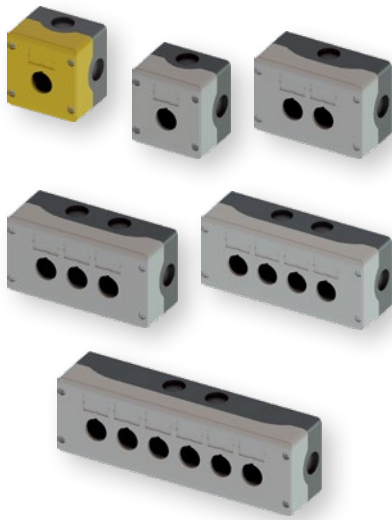


Assembly tool

| Type | Description | Code no | Weight [kg] | Packaging [pcs] |
|---------|------------------------|-----------|-------------|-----------------|
| NSE-FRT | Assembly tool for ring | 004774177 | 0,025 | 1 |



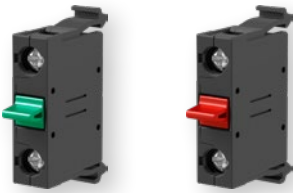
Empty control station enclosures



| Control station enclosures | |
|-------------------------------------|----------------------------------------------------|
| Standards | IEC 60947-5-1, IEC 50102, IEC 60529, UL 508, UL 50 |
| Certificates | CE |
| Degree of protection IP (IEC 60529) | IP66 (NEMA 4X) |
| Operating temperature | -25°C ... 70°C |
| Material | Polycarbonate (cover and base) |
| Colour | Grey (RAL 7035) or yellow (RAL 1003) |
| Base colour | Black (RAL 9005) |
| Cable entry | ØM20 / PG13,5 / 1/2" e ØM16 / 3/8" |
| Application | External/internal |

| Empty control station enclosures | | | | | |
|----------------------------------|--------------------------------|--------------|-----------|-------------|-----------------|
| Type | Description | Colour | Code no | Weight [kg] | Packaging [pcs] |
| NSE-CS1-Y | Housing with 1 hole, emergency | Yellow-black | 004774150 | 0,13 | 1 |
| NSE-CS1-GR | 1-hole housing | Grey-black | 004774151 | 0,13 | 1 |
| NSE-CS2-GR | 2-hole housing | Grey-black | 004774152 | 0,17 | 1 |
| NSE-CS3-GR | 3-hole housing | Grey-black | 004774153 | 0,2 | 1 |
| NSE-CS4-GR | 4-hole housing | Grey-black | 004774154 | 0,25 | 1 |
| NSE-CS6-GR | 6-hole housing | Grey-black | 004774155 | 0,32 | 1 |

Accessories for enclosures



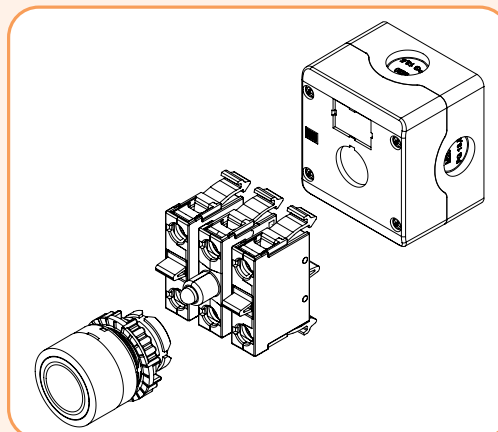
| Contact block for enclosure mounting | | | | | |
|--------------------------------------|--------------------|-----------|------------|-------------|-----------------|
| Type | Description | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
| NSE-BC/CS-NO | 1NO contact module | 004774156 | | 0,15 | 1 |
| NSE-BC/CS-NC | 1NC contact module | 004774157 | | 0,15 | 1 |

* Important: The contact blocks do not require a contact block holder to be mounted in the enclosure. The contact blocks are fixed into the base of the enclosure.



| LED module for enclosure mounting | | | | | | |
|-----------------------------------|--------|-----------|-----------|------------|-------------|-----------------|
| Type | Colour | Voltage | Code no | Dimensions | Weight [kg] | Packaging [pcs] |
| NSE-ILM-CS-024U-W | White | 24V AC/DC | 004774158 | | 0,016 | 1/10 |
| NSE-ILM-CS-024U-R | Red | 24V AC/DC | 004774159 | | | |
| NSE-ILM-CS-024U-G | Green | 24V AC/DC | 004774160 | | | |
| NSE-ILM-CS-024U-Y | Yellow | 24V AC/DC | 004774161 | | | |
| NSE-ILM-CS-024U-B | Blue | 24V AC/DC | 004774162 | | | |
| NSE-ILM-CS-240V-W | White | 240 V AC | 004774163 | | | |
| NSE-ILM-CS-240V-R | Red | 240 V AC | 004774164 | | | |
| NSE-ILM-CS-240V-G | Green | 240 V AC | 004774165 | | | |
| NSE-ILM-CS-240V-Y | Yellow | 240 V AC | 004774166 | | | |
| NSE-ILM-CS-240V-B | Blue | 240 V AC | 004774167 | | | |

* Important: The module holder is not required for fitting the LED modules into the enclosure. The modules are fixed into the base of the enclosure.



Assembly configurations

| Assembly configurations | | | | |
|-----------------------------------------|------------------------------|----------------------------------|-------------------------|-----------------------------------------|
| Type | Illuminated switch selectors | Non-illuminated switch selectors | Illuminated pushbuttons | |
| | NSE-S2I / S3I | NSE-S2 / S3 / S2K | NSE-PB2I | NSE-PBM, NSE-PB2I-F, NSE-PBF1, NSE-PBP1 |
| Max. number of contacts | Max. 4 | Max. 6 | Max. 4 | Max. 6 |
| 3-module holder NSE-FL3 | | | | |
| Max. number of contacts | Max. 4 | Max. 6 | Max. 4 | Max. 6 |
| 5-module holder ¹ NSE-FL5 | | | | |
| Type | Non-illuminated pushbuttons | | | |
| | NSE-PBM-T/P | NSE-PB2 | NSE-PBF | NSE-PBM, NSE-PBP |
| Max. number of contacts | Max. 4 | Max. 4 | Max. 6 | Max. 6 |
| 3-module holder NSE-FL3 | | | | |
| Max. number of contacts | - | Max. 4 | Max. 6 | Max. 6 |
| 5-module holder ² NSE-FL5 | - | | | |

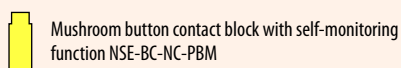
¹ LED modules for illumination can only be used in the middle position of the NSE-FL5 holder

² Do not use self-controlling contact blocks with the NSE-FL5 holder;

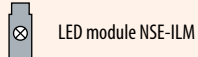
² Do not use emergency buttons with the NSE-FL5 flange



NSE-BC contact blocks



Mushroom button contact block with self-monitoring function NSE-BC-NC-PBM



LED module NSE-ILM



Pin block retainer

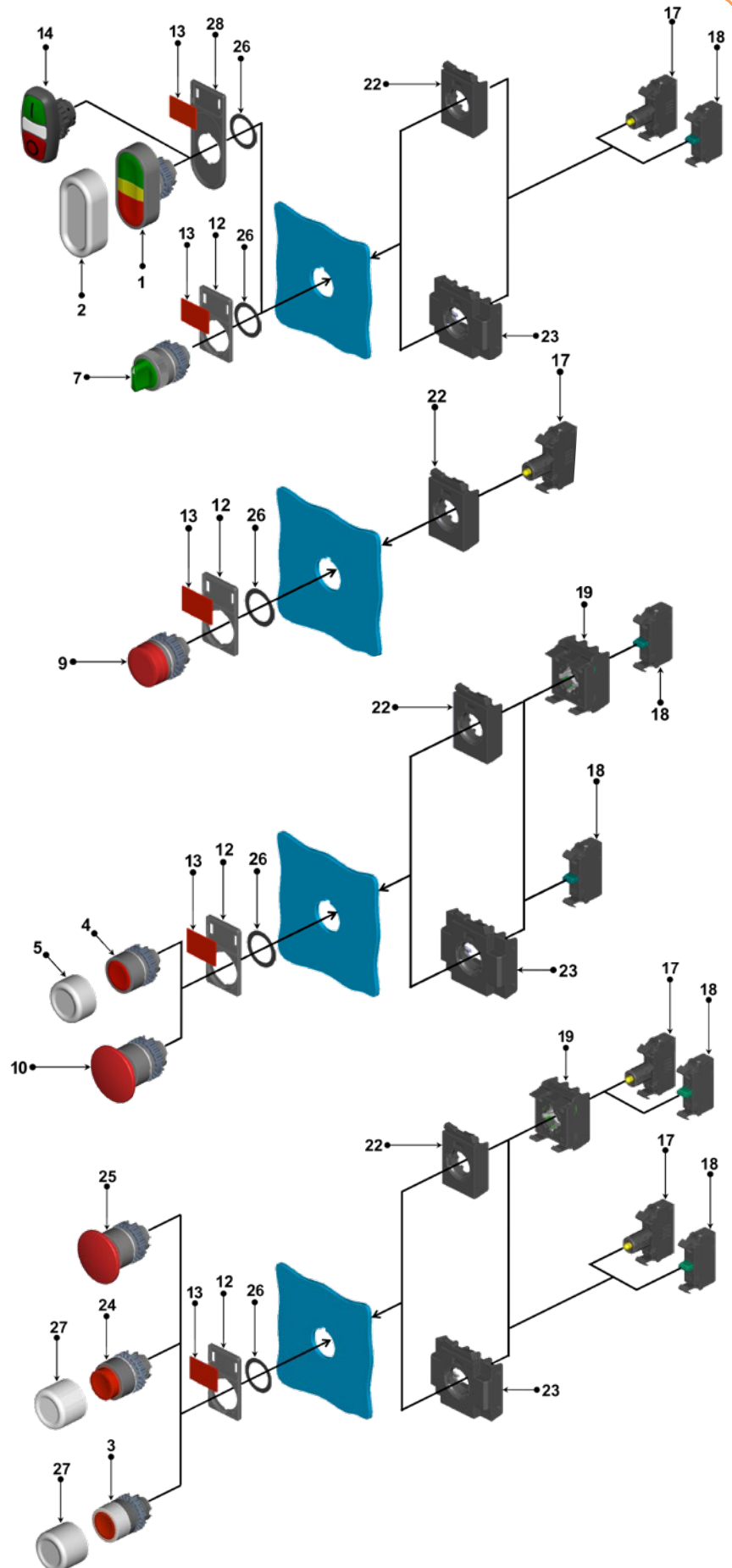


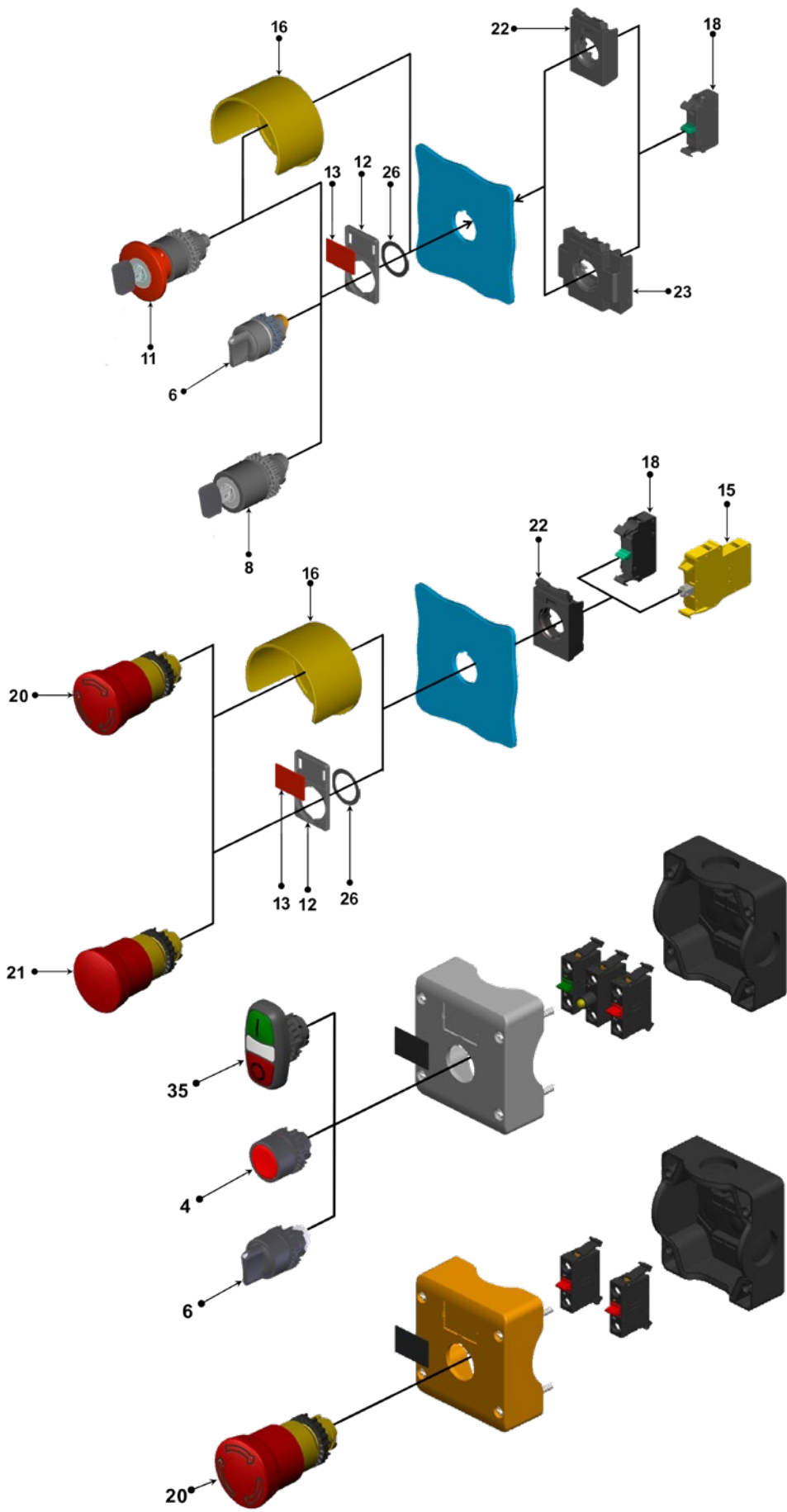
Installation is not allowed

Mounting

Legend

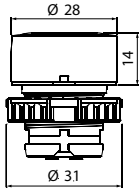
| Nº | Description |
|----|---------------------------------------------------------------------------------|
| 1 | IP52 twin pushbutton |
| 2 | Protective silicone cap for twin pushbutton |
| 3 | Illuminated pushbutton |
| 4 | Flush head pushbutton |
| 5 | Protective silicone cap for flush head pushbutton |
| 6 | Switch/switch selector |
| 7 | Illuminated switch/switch selector |
| 8 | Switch key selector |
| 9 | Cap for LED module |
| 10 | Mushroom pushbutton |
| 11 | Mushroom pushbutton with key |
| 12 | Label plate |
| 13 | Marking plate (27 x 18 mm) |
| 14 | IP52 twin pushbutton |
| 15 | Mushroom pushbutton contact block with self-monitoring function |
| 16 | Protection against accidental pressing of the emergency STOP pushbutton |
| 17 | LED module |
| 18 | Contact block |
| 19 | Latch module |
| 20 | Emergency STOP mushroom pushbutton (turn to release) |
| 21 | Emergency STOP mushroom pushbutton (pull to release) |
| 22 | 3-module holder for contact blocks and LED modules |
| 23 | 5-module holder for contact blocks and LED modules |
| 24 | Extended head pushbutton, illuminated |
| 25 | Mushroom pushbutton, illuminated |
| 26 | Adaptor ring |
| 27 | Protective silicone cap for illuminated flush head and extended head pushbutton |
| 28 | Label plate for IP52 twin pushbutton |



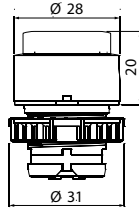


Dimensions, mounting

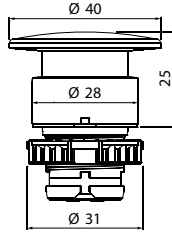
Non-illuminated flush head pushbutton



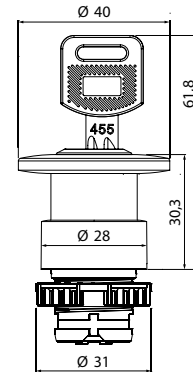
Non-illuminated extended head pushbutton



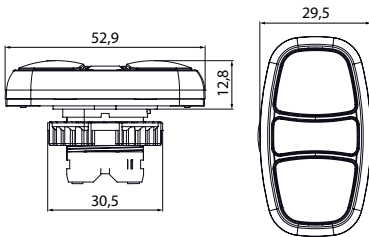
Mushroom pushbutton Ø 40 mm (illuminated)



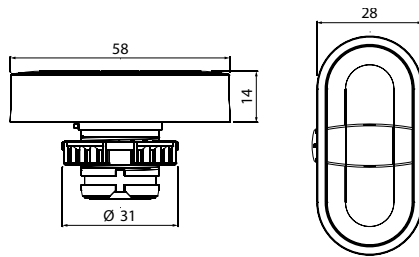
Mushroom pushbutton Ø 40 mm (with key)



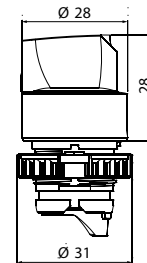
Twin pushbutton



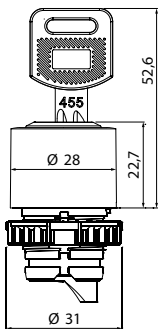
IP52 twin pushbutton



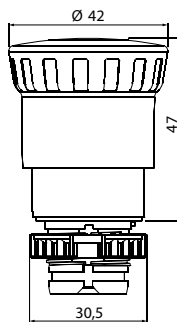
Non-illuminated two-position „0-1“ and three-position „1-0-2“ switch selector



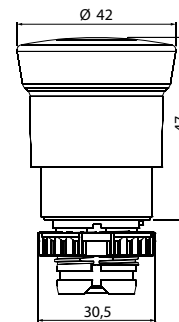
Two-position switch key selector „0-1“



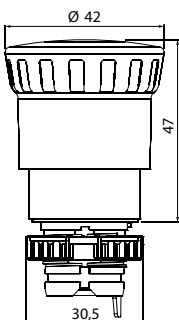
Emergency STOP mushroom pushbutton Ø 42 mm (turn to release)



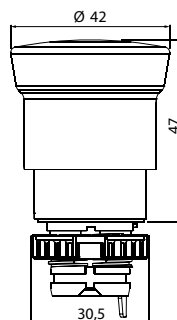
Emergency STOP mushroom pushbutton Ø 42 mm (pull to release)



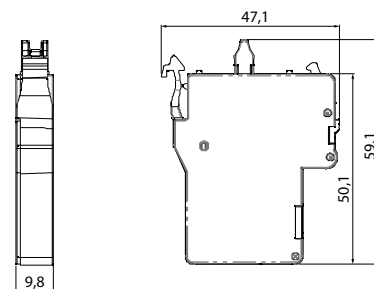
Emergency STOP mushroom pushbutton Ø 42 mm, self-monitoring function (turn to release)



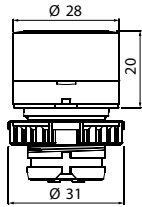
Emergency STOP mushroom pushbutton Ø 42 mm, self-monitoring function (pull to release)



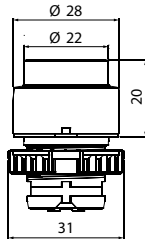
Contact block for Mushroom pushbutton with self-monitoring function



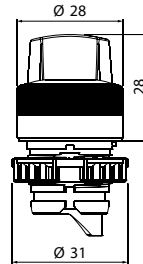
Illuminated flush head pushbutton



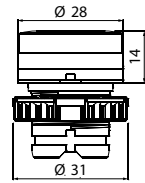
Illuminated extended head pushbutton



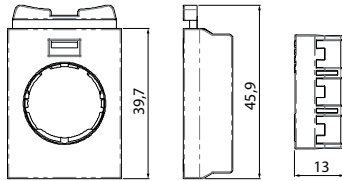
Illuminated two-position „0-1“ and three-position „1-0-2“ switch selector



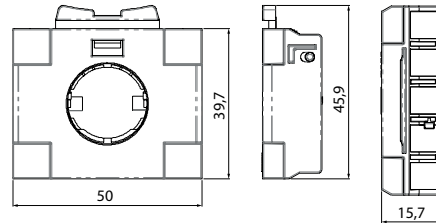
Cap for LED module



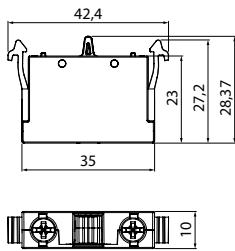
3-module holder for contact blocks and LED modules



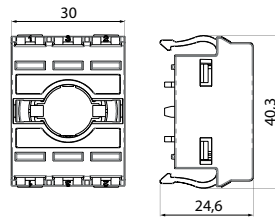
5-module holder for contact blocks and LED modules



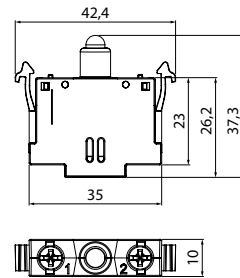
Contact block with screw terminals



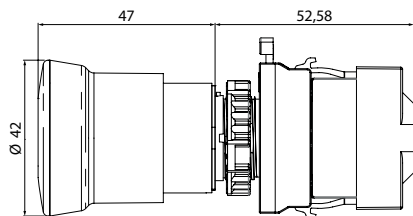
Latch module



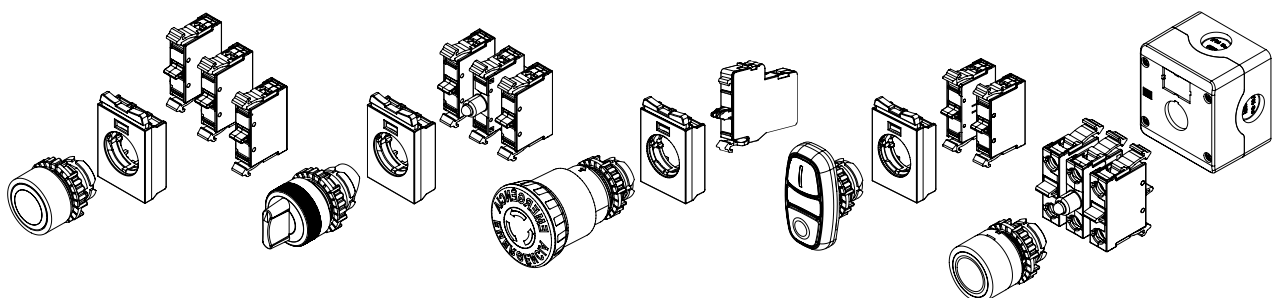
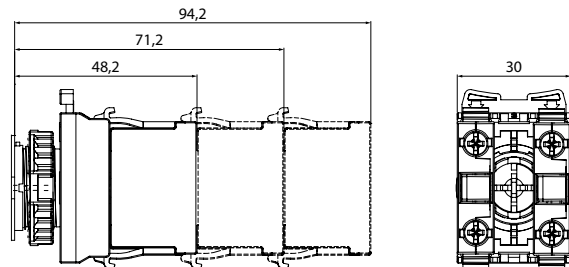
LED module



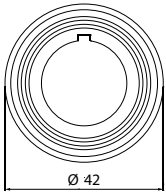
- Mushroom emergency pushbutton kit:
- Emergency STOP mushroom pushbutton
 - 3 modular contact block holder
 - Contact blocks
 - Module retainer



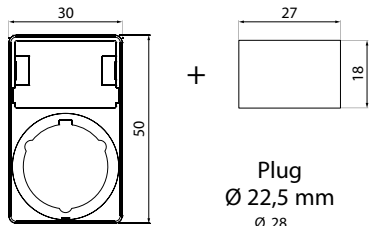
Installation of contact blocks 1, 2, 3 level



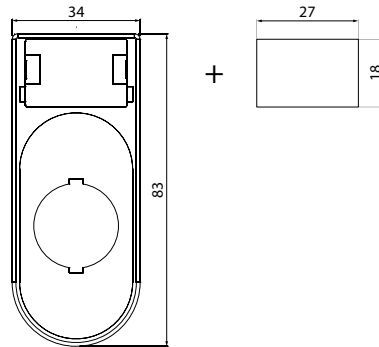
Adaptor ring



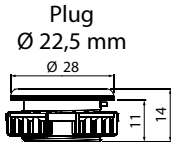
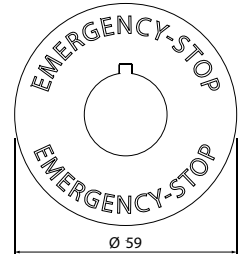
Label plate + marking plate (27 x 18 mm)



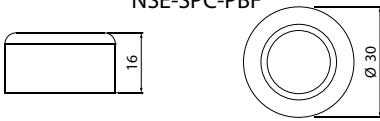
Label plate + marking plate (27 x 18 mm) for IP52 twin pushbutton module



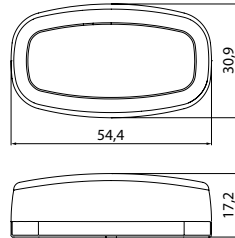
Name plate ring



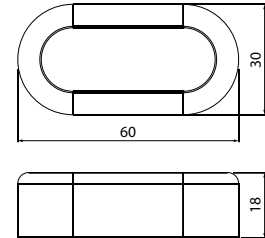
Protective silicone cap NSE-SPC-PBF



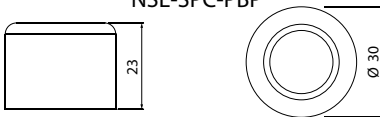
Protective silicone cap NSE-SPC-PB2



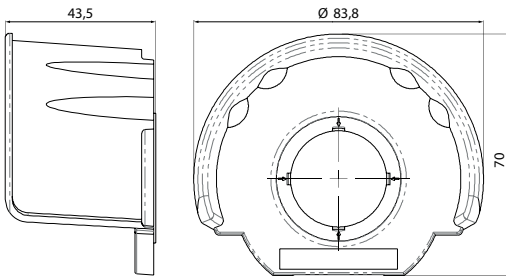
Protective silicone cap NSE-SPC-PB2-F



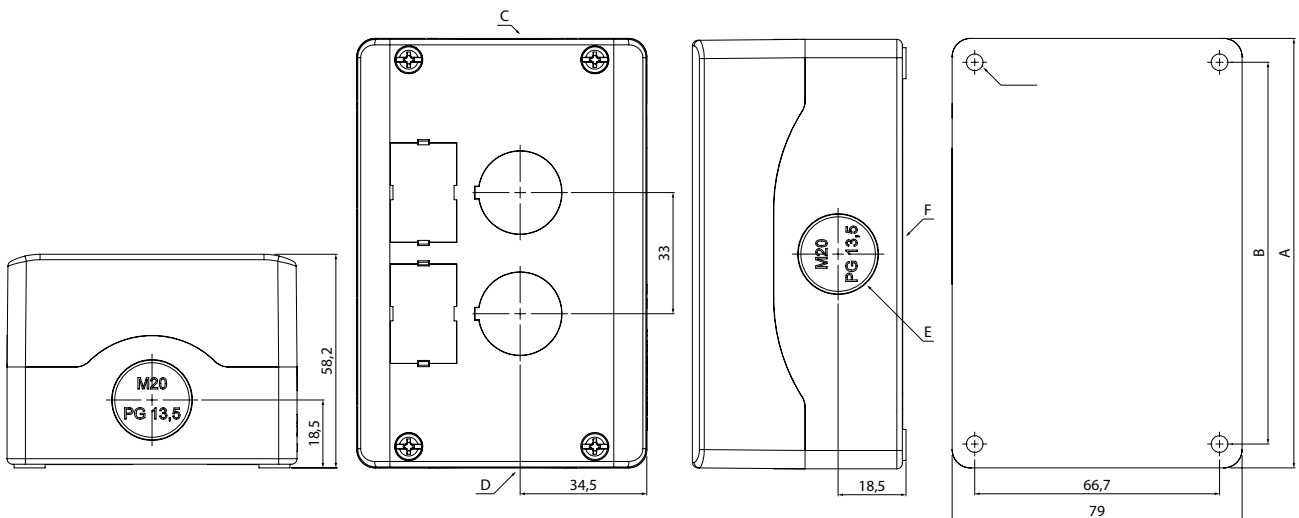
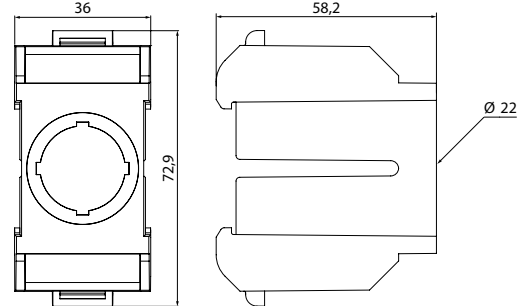
Protective silicone cap NSE-SPC-PBP



Protection against accidental pressing of the emergency STOP pushbutton



Adaptor for mounting on DIN rail



| Enclosures | No. of holes | A | B | Cable entry | | | |
|------------|--------------|-----|------|----------------|----------------|----------------|---------------|
| | | | | C (bottom) | D (above) | E (sideways) | F (with base) |
| | 1 | 74 | 66,7 | 1x ØM20/PG13,5 | 1x ØM20/PG13,5 | 1x ØM20/PG13,5 | 2x ØM16 |
| | 2 | 117 | 104 | 1x ØM20/PG13,5 | 1x ØM20/PG13,5 | 1x ØM20/PG13,5 | 2x ØM16 |
| | 3 | 150 | 137 | 1x ØM20/PG13,5 | 1x ØM20/PG13,5 | 2x ØM20/PG13,5 | 2x ØM16 |
| | 4 | 183 | 170 | 1x ØM20/PG13,5 | 1x ØM20/PG13,5 | 2x ØM20/PG13,5 | 2x ØM16 |
| | 6 | 249 | 236 | 1x ØM20/PG13,5 | 1x ØM20/PG13,5 | 2x ØM20/PG13,5 | 2x ØM16 |

Actuators and LED indicators

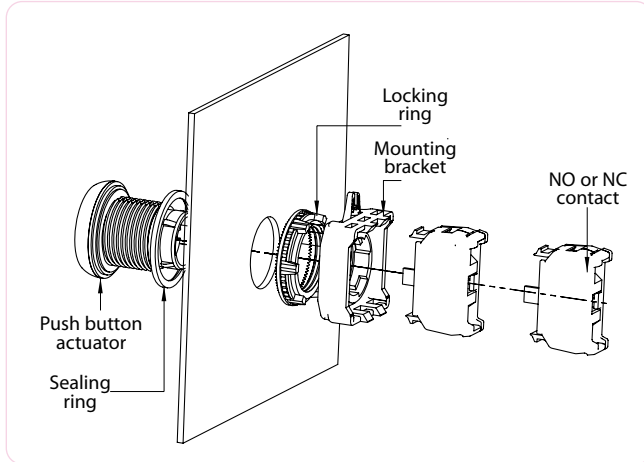
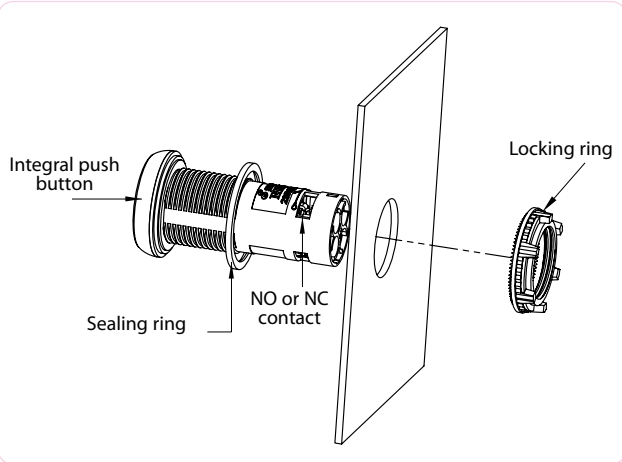
Non-illuminated actuators and LED indicators

| Product | 22.5 mm Gen Next LED Indicators |
|---------------------------|------------------------------------------------|
| Rated Voltage U_n | 24 V AC/DC 240 V AC |
| Operating Voltage | -20% U_n ... +10% U_n |
| Type of LED | SMD LEDs |
| Available Colours | RED/GREEN/YELLOW/AMBER/BLUE/WHITE |
| Life | 0.1 milion burning hour |
| Operating Temperature | -30°C ... 60°C |
| Storage Temperature | -25°C ... 70°C |
| Wire Termination Capacity | 0.5mm ² , 1.5 - 2.5 mm ² |
| Terminal Torque | 0.5 Nm |
| LVGP | ✓ |
| Surge Test | 2 kV |
| HV test for 60 sec. | 1.5 kV |
| Degree of Protection | Above panel : IP65 For terminals : IP20 |
| International Approvals | CE |

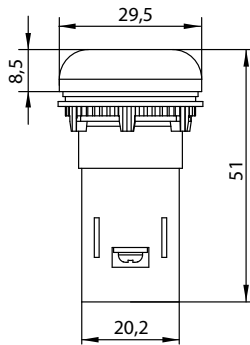
Push button actuators and integral push buttons

| Utilization category | Supply | IEC - 60947-5-1 | ITH / Thermal Current |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|
| | AC | AC-15 | 10 A |
| DC | DC-13 | | |
| Contact | | NO & NC | |
| Rated Voltage | 230 V AC | 24 V AC | |
| Rated Current | 2 A | 1.5 A | |
| Frequency | | 50-60 Hz | |
| Electrical Life for Contact | | 0.5 milion cycle | |
| HV Test for 60 sec | | 2.5kV (All Terminals Shorted Together) | |
| Rated insulation Voltage | | 600 V AC | |
| Terminals | Suitable for flexible or solid conductors from 2x1 mm ² to 2x2.5 mm ² | | |
| Current Carrying Material | Brass | | |
| Contacts Type | Make & Break | | |
| Contact Material | AgNi | | |
| Insulation Resistance at 500 VDC | > 50 Mohm | | |
| Contact Resistance | > 20 Mohm | | |
| Function | Push, Push - Turn, Selector, Key | | |
| Colour | RED/GREEN/YELLOW/ORANGE/BLACK/BLUE/WHITE | | |
| Disposition of Contact | <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <input type="checkbox"/> Contact Open <input checked="" type="checkbox"/> Contact Closed </div> </div> <p style="text-align: center; margin-top: 5px;">Stroke (mm)</p> | | |
| Environmental Rating | | | |
| Operating Temperature | -30°C ... 60°C | | |
| Storage Temperature | -25°C ... 70°C | | |
| IP Rating | IP65 above panel (As per IEC/EN - 60529) & IP20 for Terminals NEMA 1,2,3,4,4X class 12 & 13 | | |
| RoHS Compliance | ✓ | | |
| Mechanical Life for Actuators | | | |
| Momentary (Push Button with Push Function) | 1 mio ops | | |
| Emergency Stop (Turn to Release) | 0.1 mio ops | | |
| Selector | 0.5 mio ops | | |

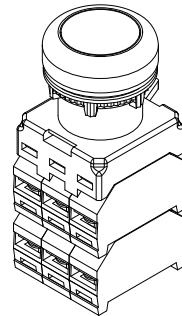
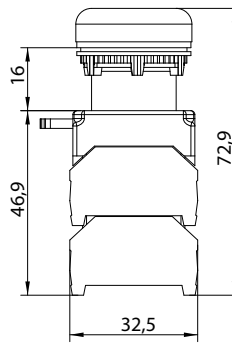
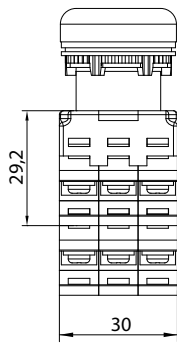
Mounting possibilities



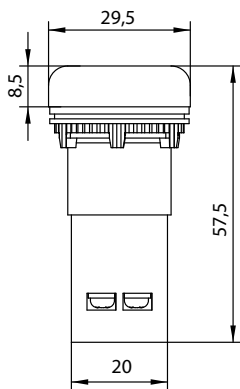
LED indicator



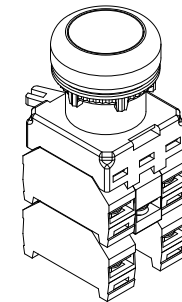
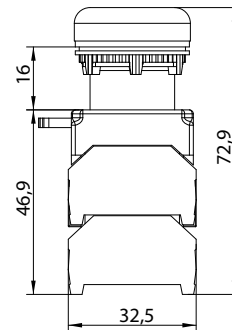
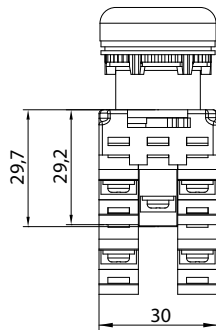
Push button actuator with 3 contacts in first row + 3 contacts in second row



Integral push button

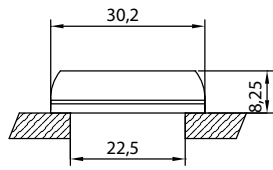


Push button actuator with 4 contacts and one LED holder

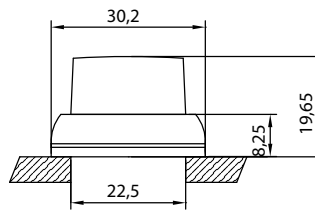


To one push button actuator can be applicated 3 contacts or 2 contacts and one LED holder (in one row of accessories)
 To one push button actuator can be applicated 6 contacts or 4 contacts and one LED holder (in two rows of accessories)

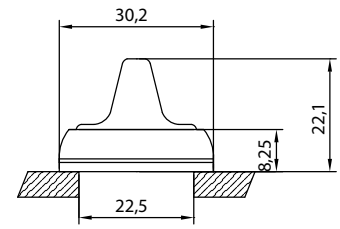
Technical data



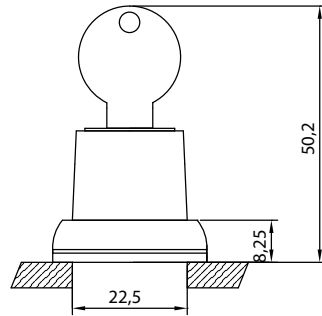
Flush head push button actuator



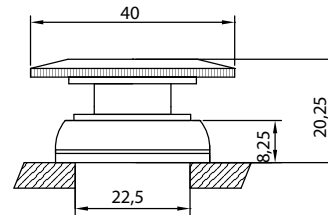
Projecting head push button actuator



Napęd pokrętny piórkem



Key actuator

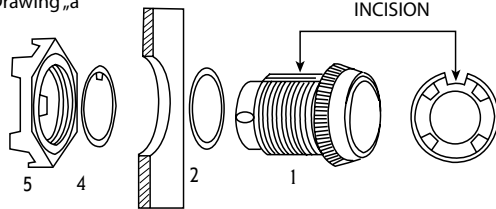


Mushroom head actuator

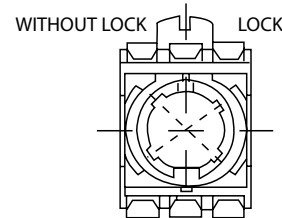
Above drawings apply to both Integral pushbuttons and pushbutton actuators.

Mounting holes for modular block assemblies

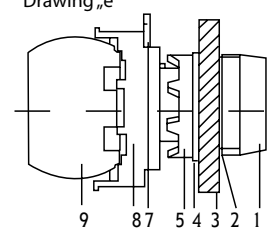
Drawing „a”



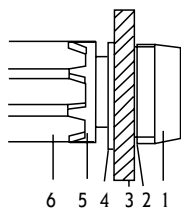
Drawing „d”



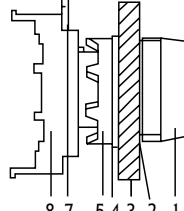
Drawing „e”



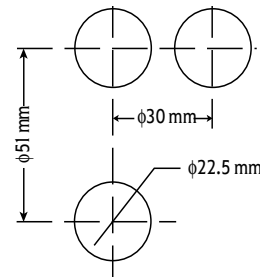
Drawing „b”



Drawing „c”

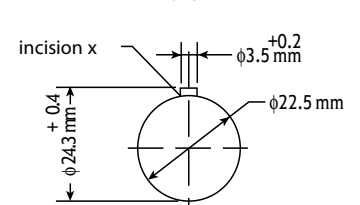


Drawing „f”



Openings plan for more than one actuator

Drawing „g”



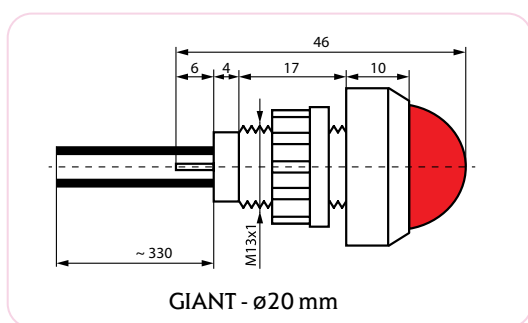
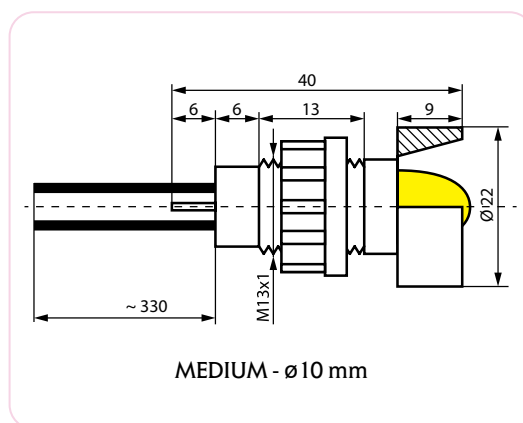
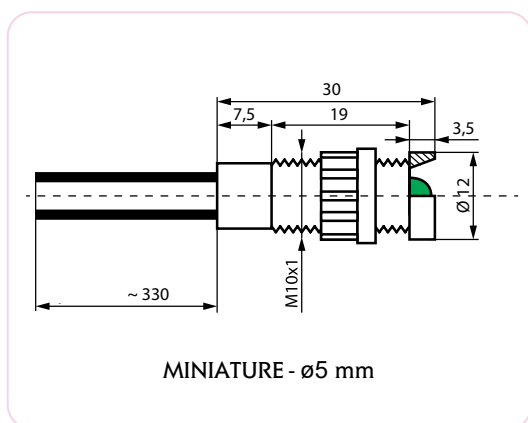
Opening plan for actuators with antirotating ring

- 1) Drawing a and b - unscrew locking ring (5) from actuator (1)
- 2) Mount actuator with sealing ring (2) in mounting panel openings
- 3) Place antirotating ring (4) with incision on actuator and slide it to the opening with x incision according to drawing g
- 4) Using a fixing device (6) tighten locking ring
- 5) Drawings c and d - switch locking ring (7) for first mounting bracket in OPEN position
- 6) Slide first mounting bracket. Check if mounting bracket is oriented according to incision on actuator
- 7) Switch locking ring in CLOSED position
- 8) Drawing e - mount contacts or LED holders to the mounting bracket by latching them on the bracket

LS LED indicators

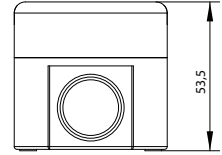
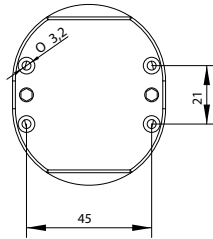
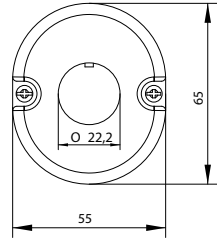
Technical data

| | |
|-----------------------------------------|------------------------------------------------------------------|
| Operating voltage | 230 V AC (with 230 V AC voltage - cord in lamps light colour) |
| Power consumption | 1,0 W |
| Power cord | LGY 0,5 mm ² |
| Protection class | IP 20 |
| Lamps are manufactured in various sizes | 5 mm miniature, 10 mm medium, 20 mm giant |
| Colour | G - green, R - red, Y - yellow |

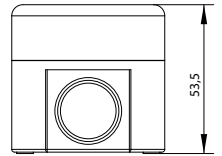
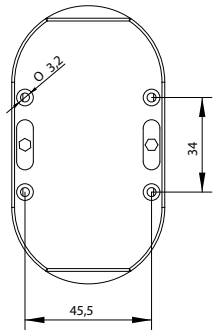
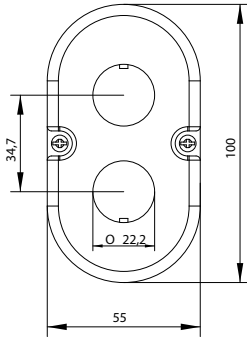


Enclosure

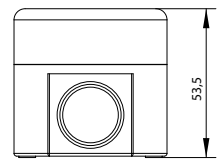
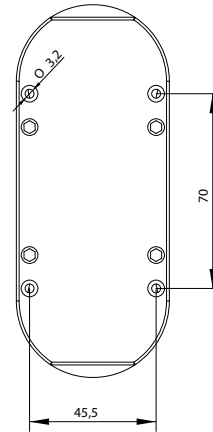
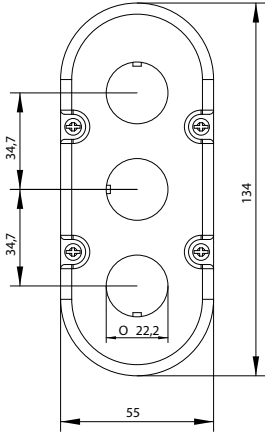
Single station enclosure



Two station enclosure



Three station enclosure



Two station push-button with integral push buttons

