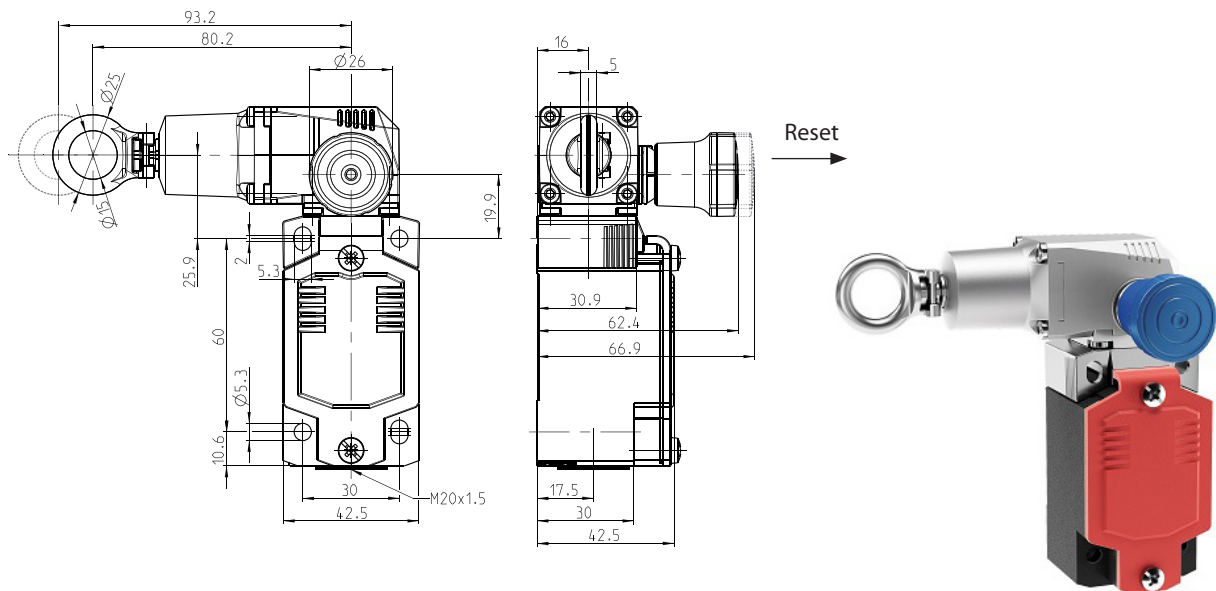


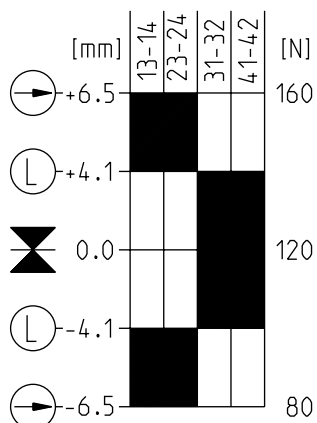
Safety rope pull switch Series SRO

Description **SRO-M78-22-HL30-1**

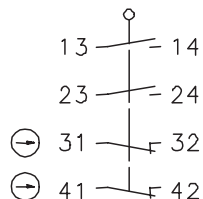
Article number **6012821146**



Operating diagram



Operating symbol



ON
 OFF

Tolerance:
 Operating point $\pm 0,5$ mm
 Operating force ± 15 %

| Electrical Data | | |
|---|-----------|---|
| Rated insulation voltage | U_i | 250 V |
| Rated impulse withstand voltage | U_{imp} | 2,5 kV |
| Rated operational voltage | U_e | 240 V AC / 24 V DC |
| Rated supply frequency AC | | 50 / 60 Hz |
| Conv. thermal current | I_{the} | 5 A |
| Minimum current | | 1 mA |
| Utilization category | | AC 15, U_e/I_e 240 V / 1,5 A; DC 13, U_e/I_e 24 V / 1,5 A |
| Direct opening action | ⊕ | acc. IEC/EN 60947-5-1, annex K; direct opening force: 180 N |
| Short-circuit protective device | | Fuse 4 A gG |
| Rated conditional short-circuit current | | 400 A |
| Protection class | | I |

| Mechanical data | |
|------------------------------------|---|
| Enclosure | Die-cast aluminium |
| Cover | Sheet aluminium |
| Actuator | Pull ring (Zn-die cast) |
| Reset button | Thermoplastic, glass fibre reinforced (UL 94-V0) |
| Operating temperature | -30 °C ... +75 °C |
| Storage temperature | -40 °C ... +80 °C |
| Protection type | IP66 / IP67 acc. EN 60529 |
| Pollution degree (built-in switch) | 3 |
| Contact material | silver |
| Contact type | 2 N.C. (Form Zb), 2 N.O. |
| Latching device | acc. to IEC 60947-5-5, DIN EN 60947-5-5, ISO 13850 (DIN EN 418) |
| Reset facility | pull of the reset button acc. to IEC/EN 60947-5-5 |
| Switching frequency | ≤ 20 / min. |
| Mechanical life | 1 x 10 ⁵ operating cycles |
| Mission time | ≤ 20 years |
| Rope length | ≤ 30 m (depends on the max. temperature variation) |
| Rope Ø | D = Ø 2 - 5 mm |
| Connection | 8 screw connections (M3) |
| Earth bolt | 1 x M3,5 |
| Conductor cross-sections | Solid or Litz wire with ferrules 0,34 mm ² - 1,5 mm ² ; AWG 22-16 |
| Cable entrance | 1 x M20 x1,5 |
| Weight | ≈ 0,470 kg |
| Installation position | operator definable |

| Actuation |
|---|
| By lifting the clamp the actuation assembly can be rotated in 90° increments. The actuation assembly is to be again fastened to the housing by lowering the clamp. |

| ID for safety engineering | |
|---------------------------|----------------------------|
| B10d N.C. | 2 x 10 ⁵ cycles |
| B10d N.O. | 2 x 10 ⁵ cycles |

| Standards | |
|-----------|--------------------------|
| | DIN EN 60947-5-1 |
| | DIN EN 60947-5-5, |
| | UL 508 / CSA C22.2 No.14 |
| | ISO 13850 |
| | DIN EN ISO 13849-1 |

| EU Conformity | |
|---------------|--|
| | acc. to directive 2006/42/EC (Safety-of-Machinery-Directive) |

| Approvals | | |
|-----------|-------------------|------------------|
| | CCC | (in preparation) |
| | cUL _{US} | (in preparation) |
| | DGUV | (in preparation) |

| Notes | |
|--|--|
| The degree of protection (IP code) specified applies solely to a properly closed cover and the use of an equivalent cable gland with adequate cable. | |