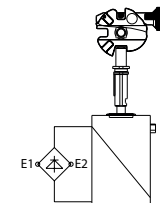
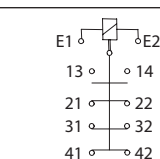
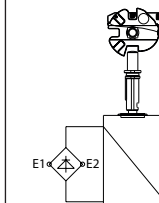
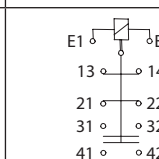
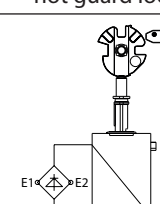
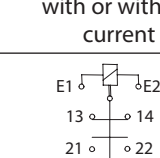
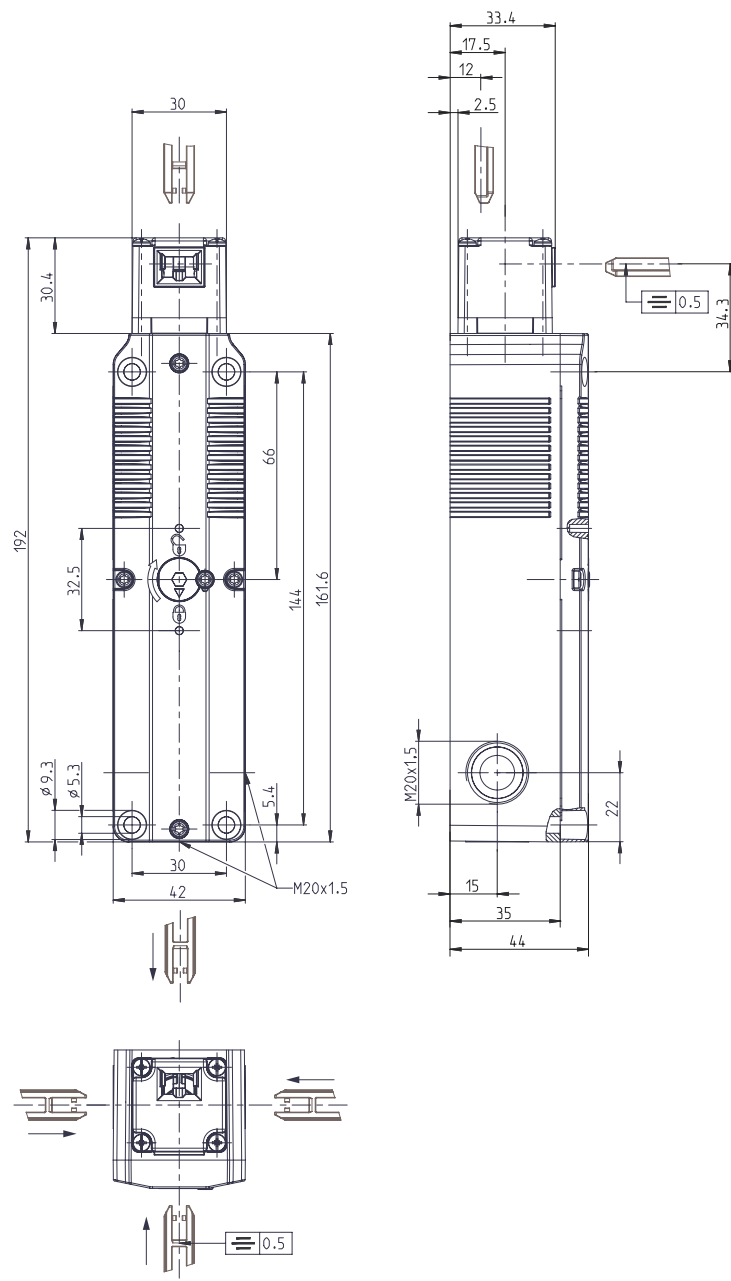


Safety switch Series SLC

| | |
|---------------------------------------|----------------------------------|
| Description SLC-F-024-10/21-R4 | Article number 6018200010 |
|---------------------------------------|----------------------------------|

| Position monitoring (guard lock L) | |
|--|--|
| <p>Actuator inserted Protective device interlocked and guard locked</p>  <p>without current</p>  | <p>Actuator inserted Protective device interlocked and not guard locked</p>  <p>with current</p>  |
| <p>Actuator withdraw Protective device not interlocked and not guard locked</p>  <p>with or without current</p>  | |

The actuator is not included in the scope of delivery. It can only be purchased in conjunction with the safety switch.



Technical drawing details:
 - Front view dimensions: 30, 30.4, 192, 32.5, 66, 14.4, 161.6, 42, 5.4, 30, 42, M20x1.5, 9.3, 5.3.
 - Side view dimensions: 33.4, 17.5, 12, 2.5, 34.3, 0.5, 2.2, 15, 35, 44, M20x1.5.
 - Top view dimensions: 30, 42, 0.5.

| Electrical data | |
|---|---|
| Protection class | II, totally insulated |
| Contact elements | |
| 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 AC/DC |
| Conv. thermal current | I_{the} 5 A |
| Utilization category acc. to IEC | AC-15, U_e / I_e 240 V / 1,5 A DC-13, U_e / I_e 24 V / 1,5 A; 250 V / 0,11 A |
| Utilization category acc. to UL / CSA | B300 R300 general use 240 V / 1,5 A general use M12 connector 24 V / 1,5 A |
| Direct opening action | ⊕ according to IEC/EN 60947-5-1, Annex K |
| Short-circuit protective device | 4 A gG |
| Rated conditional short-circuit current | 400 A |
| Electro magnet | |
| Duty cycle | 100 % ED (at E1; E2) |
| Temperature class | F (155 °C) |
| Permanent power consumption | 6,7 VA (W) |
| Switch operations permanent | 600 / h |
| Operating voltage | 24 V AC / DC (+10 % / -15 %) |

| Mechanical data | |
|--------------------------|---|
| Enclosure | Thermoplastic, glass fibre reinforced (UL 94-V0) |
| Cover | Thermoplastic, glass fibre reinforced (UL 94-V0) |
| Actuating head | Thermoplastic, glass fibre reinforced / Zn-GD |
| Actuator | Separate actuator |
| Minimum actuating radius | R_{min} see separate actuators data sheet |
| Velocity for actuating | V_{max} 0,5 m/s |
| Extraction force | ≥ 27 N |
| Interlocking principle | Spring force |
| Unlocking | a) magnetic force b) auxiliary release from front and back side |
| Hold on force | F_{zh} 1500 N (EN ISO 14119) |
| Ambient air temperature | -25 °C ... +55 °C |
| Contact type | Interlock: 1 NC Guard lock (L): 2 NC, 1 NO |
| Switching principle | 4 slow make and break contact elements |
| Mechanical life | 1 x 10 ⁶ switching cycles |
| Assembly | 4 x M5 |
| Connection | Screw connection |
| Conductor cross-sections | 0,34 ... 1,5 mm ² flexible |
| Cable entrance | 3 x M20 x 1,5 |
| Weight | ≈ 0,484 kg |
| Installation position | operator definable |
| Protection type | IP67 acc. to IEC/EN 60529 ; (UL 50 E / CSA C22.2) Type 6 indoor use |

| ID for safety engineering | |
|----------------------------------|----------------------------|
| B10d | 2 x 10 ⁶ cycles |

| Standards | |
|-----------|---|
| | DIN EN 60947-5-1 |
| | UL 508 18th Edition, CSA-C22.2 No.14-18 |
| | GS-ET-19 (DGUV) |
| | DIN EN ISO 14119 |
| | DIN EN ISO 13849-1 |

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

| Approvals | |
|-----------|---|
| | DGUV (in preparation) |
| | cCSA _{US} B300 (same polarity) / R300 (in preparation) |
| | CCC |

| Notes | |
|---|--|
| <p>The degree of protection (IP code) specified applies solely to a property closed cover and the use of an equivalent cable gland with adequate cable.</p> <p>The switch may not be used as a mechanical stop.</p> <p>In the event of a power failure, the guard remains locked.</p> | |