



## Miniature limit switch

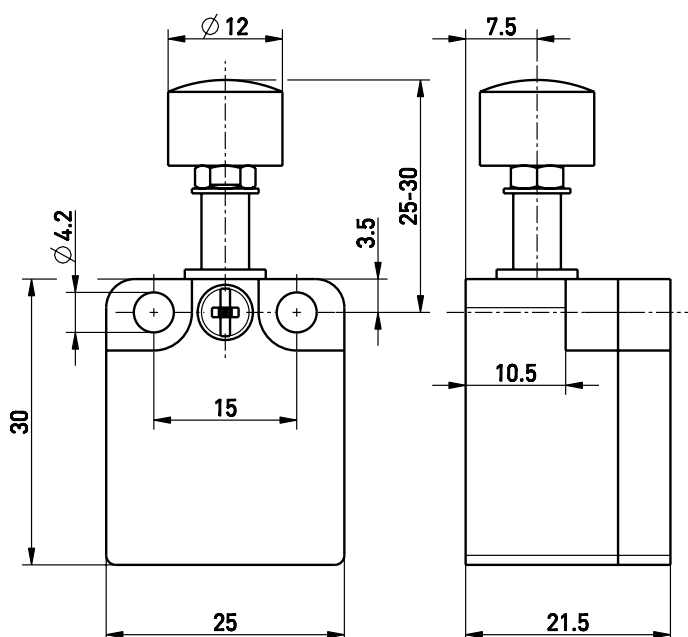
C 50 K 1Ö/1S

Material number: 1046960 (Material number old: 49007001)

### Features/Options:

- Thermoplastic enclosure
- Actuator: Cap K
- Adjustable thermoplastic cap
- Large actuating surface
- Safe switching even with imprecise actuation

### Dimensions



### Technical data

|                                                                |                                                                                 |
|----------------------------------------------------------------|---------------------------------------------------------------------------------|
| Applied standards                                              | EN ISO 13849-1; EN 60947-5-1                                                    |
| Enclosure                                                      | glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94 V-0 |
| Tightening torque                                              | enclosure mounting screws: approx. 1 Nm<br>cover screws: approx. 0.6 Nm         |
| Actuator                                                       | plunger: brass                                                                  |
| Degree of protection                                           | IP 30 to IEC/EN 60529                                                           |
| Degree of pollution                                            | 3                                                                               |
| Contact material                                               | silver                                                                          |
| Switching system                                               | slow action, positive break NC contacts $\ominus$                               |
| Switching elements                                             | 1 NC/1 NO contact, type Zb                                                      |
| Connection                                                     | screw connection terminals                                                      |
| Cable cross-section                                            | max. 1.5 mm <sup>2</sup>                                                        |
| B <sub>10d</sub> (10 % load)                                   | 70 000                                                                          |
| T <sub>M</sub>                                                 | max. 20 years                                                                   |
| Rated impulse withstand voltage U <sub>imp</sub>               | 4 kV                                                                            |
| Rated operating isolation voltage U <sub>i</sub>               | 400 V                                                                           |
| Conventional thermal current I <sub>the</sub>                  | 4 A                                                                             |
| Rated operating current/voltage I <sub>e</sub> /U <sub>e</sub> | 4 A/400 VAC                                                                     |
| Utilisation category                                           | AC-15                                                                           |
| Short-circuit protection                                       | 4 A gG/gN fuse                                                                  |
| Ambient temperature                                            | -20 °C ... +75 °C                                                               |
| Mechanical life                                                | > 1 million operations                                                          |
| Operation cycles                                               | max. 1800/h                                                                     |

Errors and omissions excepted.



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Repeat accuracy of switching points  $\pm 0.1$  mm

Contact opening max. 2 x 4 mm

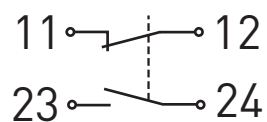
Approvals



Weight

22 g

### Contact diagram



### Switching diagram

