



Miniature limit switch

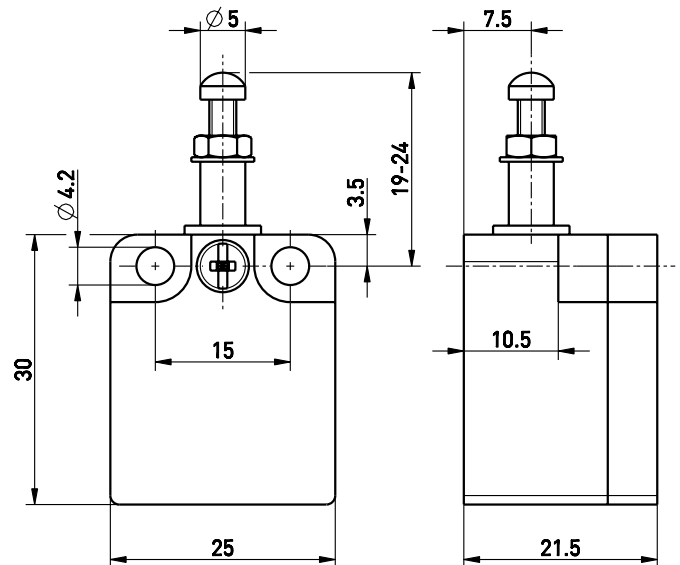
C 50 ST 1Ö/1S

Article no.: 1046958 (old article no.: 49005001)

Product features

- Thermoplastic enclosure
- Actuator: Adjustable plunger ST
- Plunger with knurled-head setting screw
- Length of metal plunger adjustable for fine adjustment of switching travel

Dimensions



Technical data

Applied standards

EN ISO 13849-1, EN 60947-5-1

Enclosure

thermoplastic, glass-fibre reinforced, shockproof, self-extinguishing UL 94 V-0

Cover

polycarbonate, self-extinguishing UL 94 V-2

Actuator

plunger: brass

Tightening torque

enclosure mounting screws: approx. 1 Nm
cover screws: approx. 0.6 Nm

Degree of protection

IP10 to IEC/EN 60529,
IP20 to IEC/EN 60529 with full contact assignment with
strands whose external diameter is ≥ 2.2 mm

B_{10d} (10 % load)

500 000

T_M

max. 20 years

Degree of pollution

2

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 mm²

Rated impulse withstand voltage U_{imp}

4 kV

Rated insulation voltage U_i

400 V

Conventional thermal current I_{the}

4 A

Rated operating current/voltage I_e/U_e

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 (R: 70 000 operations – with an
actuating angle of 30°)

Operation cycles

max. 1800/h

Errors and omissions excepted.



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Technical data (contd.)

Repeat accuracy of switching points
 ± 0.1 mm

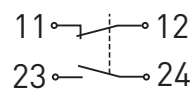
Weight
20 g

Contact opening
max. 2 x 4 mm

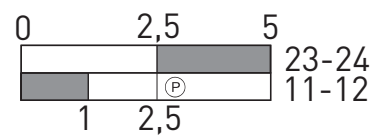
Approvals



Contact diagram



Switching diagram



Ⓟ Positive break travel/angle