



Miniature limit switch

ES 50 ST 1Ö/1S

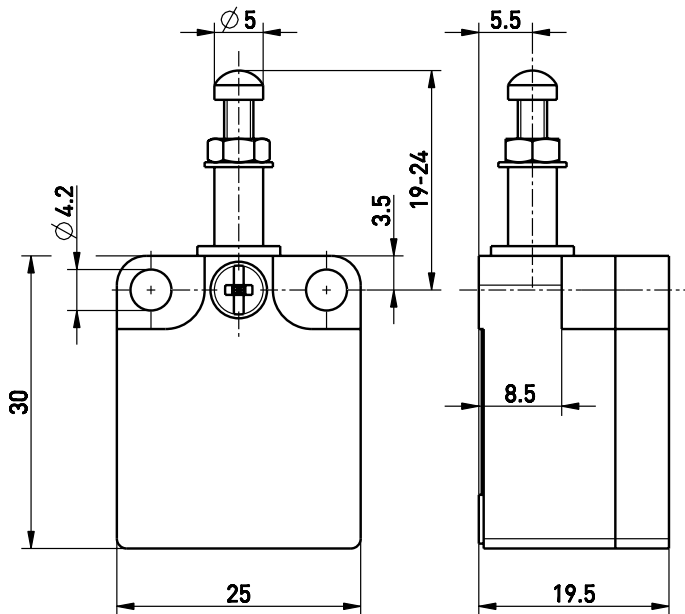
Material number: 1046989 (Material number old: 50005001)

Features/Options:

- 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	glass-fibre reinforced, shock-proof thermoplastic, self-extinguishing UL 94 V-0
Tightening torque	enclosure mounting screws: approx. 1 Nm 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 ²
B _{10d} (10 % load)	70 000
T _M	max. 20 years
Rated impulse withstand voltage U _{imp}	4 kV
Rated operating isolation 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
Operation cycles	max. 1800/h

Errors and omissions excepted.



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Repeat accuracy of switching points ± 0.1 mm

Contact opening max. 2 x 4 mm

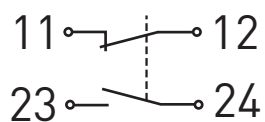
Approvals



Weight

22 g

Contact diagram



Switching diagram

