



Purpose

Position and limit switches are used for position detection and monitoring of moving parts in machinery and plants.



Further information along with the latest applicable declaration of conformity can be found in the Schmersal catalogues or in the online catalogue on the Internet: products.schmersal.com.



Country-specific installation and safety standards and accident prevention regulations must be properly observed.

Technical data

Standards:	IEC 60947-5-1
Enclosure:	light-alloy diecast, chromated and paint finish
Protection class:	IP65 to IEC 60529
Contact material:	Silver
Switching system:	snap or slow action with double break; slow action, NC contact positive break ⊖
Connection:	screw terminals
Cable section:	max. 2.5 mm ² (incl. conductor ferrules)
Cable entry:	3 x M20
Rated operating current/voltage I _e /U _e :	
- M 015, 017:	2.5 A / 400 VAC
- T 015, 016, 017:	4 A / 400 VAC
Rated impulse withstand voltage U _{imp} :	6 kV
Rated insulation voltage U _i :	400 V
- Changeover contact:	500 V
Protection class:	I
Degree of pollution:	3
Thermal test current I _{the} :	10 A
Max. fuse rating:	20 A gG D-fuse
Required short-circuit current:	1,000 A
Contact opening:	max. 2 x 2.5 mm
Ambient temperature:	-30 °C ... +90 °C
Mechanical life:	1,000,000 operations
Max. switching frequency:	500/h
B _{10D} NC contact to ISO 13849-1:	2,000,000

Mounting

The mounting dimensions for the position switches are specified on the rear of the enclosure. To ensure a proper functioning, the switch must be installed so that the required switch travel is obtained. All components have sufficient after-travel to compensate for inaccuracies in the guidance of the actuating system. The position switch must not be used as an end switch. Any mounting position.

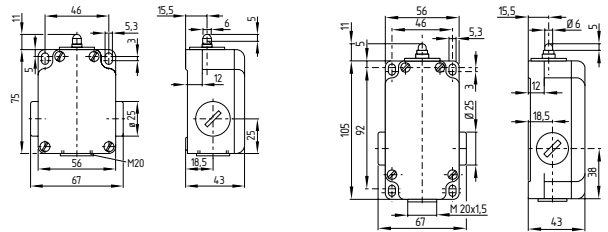


Actuation head adjustable in increments of 4 x 90°.

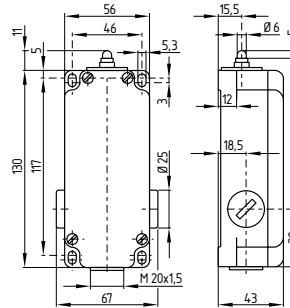
Dimensions (All measurements in mm.)

T/M 015

T 016



T/M 017



Electrical connection



The electrical connection may only be carried out by authorised personnel in a de-energised condition.

For the cable entry, suitable cable glands with an appropriate degree of protection must be used. Unused openings must be sealed with threaded plugs.

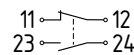
T/M 015

T 016

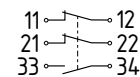
T/M 017

Slow action

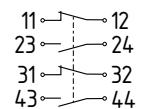
1 NO / 1 NC



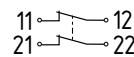
1 NO / 2 NC



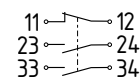
2 NO / 2 NC



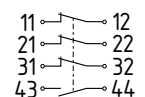
2 NC



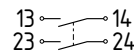
2 NO / 1 NC



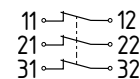
1 NO / 3 NC



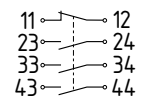
2 NO



3 NC

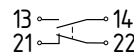


3 NO / 1 NC

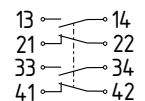


Snap action

1 NO / 1 NC



2 NO / 2 NC



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