

Plastic bodied limit switch

Series TI2

Description TI2-SU1Z W	Article number 6088153002
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Operating symbol

Operating diagram

On
 Off

Tolerance:
 Operating point $\pm 0,25$ mm;
 Operating torque ± 10 %

Fixed positioning with e.g. fixing screw M5 according to the standard DIN EN ISO 4762.

Electrical Data		
Rated insulation voltage	U_i	250 V AC
Conv. thermal current	I_{the}	10 A AC / 2,5 A DC
Rated operational voltage	U_e	240 V AC; 250 V DC
Utilization category		AC-15, U_e/I_e 240 V / 3 A; DC-13, U_e/I_e 250 V / 0,27 A; 24 V / 4 A
Direct opening action	\ominus	acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 6 A gG
Protection class		II, totally insulated

Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Plunger (Thermoplastic)
Ambient air temperature	-30 °C ... +80 °C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	3 x 10 ⁶ operating cycles
Switching frequency	≤ 100 / min.
Assembly	2 x M4
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0,5 ... 1,5 mm ² or Litz wire with ferrules: 0,5 ... 1,5 mm ²
Cable entrance	1 x M16 x 1,5
Weight	≈ 0,04 kg
Installation position	operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

Actuation
The push bolt actuator is mainly intended to be actuated along its axis. Side actuation will considerably reduce switch life.

ID for safety engineering
B10d 6 x 10 ⁶ cycles

Standards
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
DIN EN ISO 13849-1

EU Conformity
acc. to directive 2014/35/EU

Approvals
DGUV
UL
CCC
cCSA _{US} , A300, Q300 (same polarity)

Notes
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.