

# Plastic bodied limit switch

## Series TI2

Description **Ti2-SU1Z Hw 180Gr Ro13**

Article number **6188171052**

**Operating symbol**

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

**Operating diagram**

0mm	21-22	13-14	13-14	21-22
1				
2				
4				

On  
 Off

Tolerance: Operating point  $\pm 0,25$  mm

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
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	Lever (steel) with Roller (thermoplastic)
Ambient air temperature	-30 °C ... +80 °C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	3 x 10 <sup>6</sup> operating cycles
Switching frequency	≤ 100 / min.
Assembly	2 x M4 or 2 x M5 fixed position for safety applications
Connection	4 screw connections (M3,5)
Conductor cross-sections	0,5 – 1,5 mm <sup>2</sup> (solid or stranded wire with ferrules)
Cable entrance	1 x M16 x 1,5
Weight	≈ 0,05 kg
Installation position	operator definable
Protection type	IP65 acc. to EN 60529

Actuation
<p>The actuating device is preferably started from 1 side.                      By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 4 actuation directions are possible. The actuation assembly is to be again fastened to the housing using the 4 screws.</p>

ID for safety engineering
B10d 6 x 10 <sup>6</sup> cycles

Standards
DIN EN 60947-5-1
DIN EN ISO 13849-1

EU Conformity
acc. to directive 2014/35/EU (Low-Voltage-Directive)

Approvals
cUL <sub>US</sub> A300, Q300
cCSA <sub>US</sub> A300, Q300 (same polarity)
CCC

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.