

# Technical Data

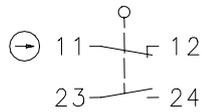
## Plastic bodied limit switch

### Series TI2

Description **TI2-U1Z KNW**

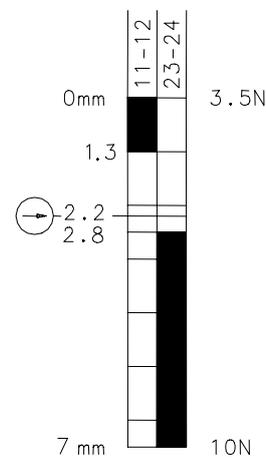
Article number **6088127042**

Operating symbol

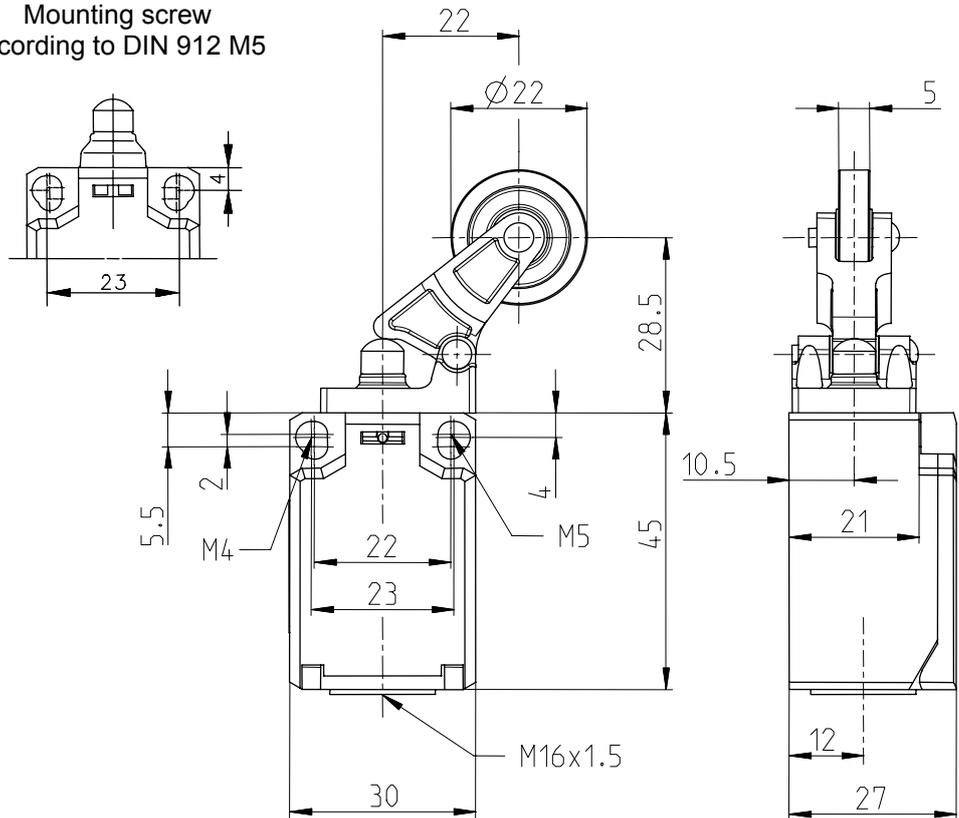


Fixed positioning for safety applications  
Mounting screw according to DIN 912 M5

Operating diagram



  Tolerance:  
 Ein Aus Operating point  $\pm 0,25$  mm;  
 Actuating force  $\pm 10$  %



### 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		acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 6 A gL/gG
Protection class		II, totally insulated

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## Plastic bodied limit switch

### Mechanical data

Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Lever 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> switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0,5 ... 1,5 mm <sup>2</sup> Litz wire with ferrules: 0,5 ... 1,5 mm <sup>2</sup>
Cable entrance	1 x M16x1,5
Weight	≈ 0,05 kg
Installation position	operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

### Actuation

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.

<b>Standards</b>	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
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<b>EU Conformity</b>	<b>CE</b>
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<b>Approvals</b>	cCSA <sub>US</sub> A300, Q300 (same polarity)
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### 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.