

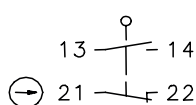
Plastic bodied limit switch

Series TI2

Description **TI2-SU1Z AHT**

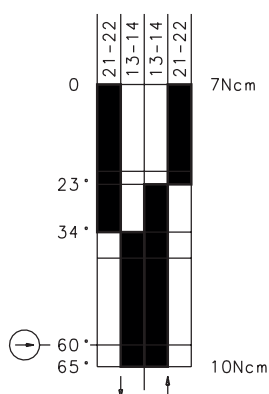
Article number **6188185018**

Operating symbol



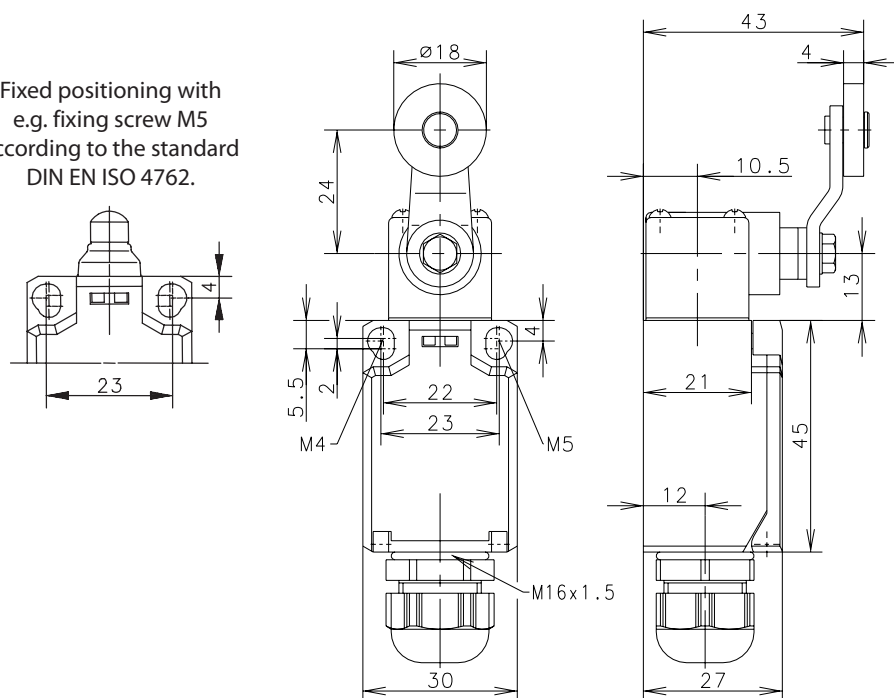
Fixed positioning with
e.g. fixing screw M5
according to the standard
DIN EN ISO 4762.

Operating diagram



On Off

Tolerance:
Operating point $\pm 3,5^\circ$;
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; 125 V / 0,55 A
Direct opening action		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	Turret head (thermoplastic), Lever (st), roller (stainless steel)
Ambient air temperature	-35 °C ... +80 °C
Contact type	1 NC, 1NO (Zb)
Mechanical life	3 x 10 ⁶ operating cycles
Switching frequency	≤ 30 / min.
Assembly	2 x M4 or 2 x M5 fixed position for safety applications
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 cable gland M16 x 1,5 (clamping range 2-7 mm)
Weight	≈ 0,08 kg
Installation position	operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

ID for safety engineering	
B10d	6 x 10 ⁶ cycles

Actuation
The actuating device is preferably started from 2 sides. By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 8 actuation directions are possible. The actuation assembly is to be again fastened to the housing using the 4 screws.

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
cUL _{US} A300, Q300
cCSA _{US} 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.