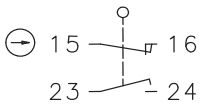
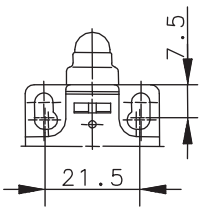
Plastic bodied limit switch
Series I88

Description **I88-UV1Z AH RAST**	Article number **6186335780**

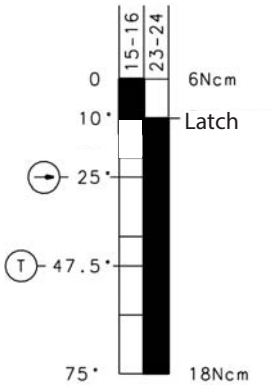
Operating symbol

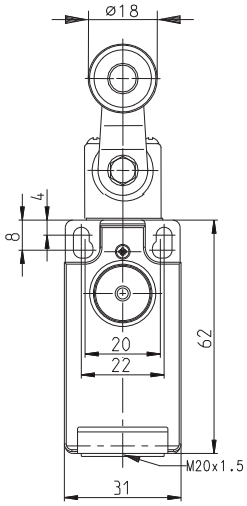


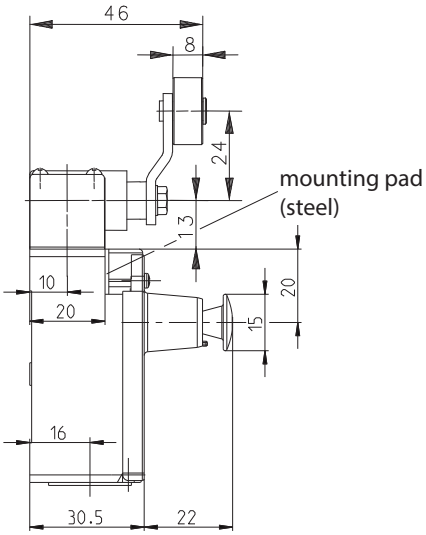
Fixed positioning for
safety applications
Mounting screw
according to DIN 912 M5



Operating diagram







On Off

Tolerance:
Operating Point ± 3,5 °;
Operating force ± 10 %

Electrical Data		
Rated insulation voltage	U_i	250 V AC
Conv. thermal current	I_{the}	10 A
Rated operational voltage	U_e	240 V
Utilization category		AC-15, U_e/I_e 240 V / 3 A
Direct opening action	⊖	acc. to IEC/EN 60947-5-1, annex K
Gap between NC-contacts	Ⓣ	DIN EN 81
Short-circuit protective device		Fuse 10 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 (Zn-die cast), lever (st), roller (thermoplastic)
Ambient air temperature	-30 °C ... +80 °C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	1 x 10^6 operating cycles
Switching frequency	≤ 60 / 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 M20 x 1,5
Weight	≈ 0,09 kg
Installation position	operator definable
Protection type	IP65 acc. to IEC/EN 60529

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.

ID for safety engineering	
B10d	2 x 10^6 switching 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 2006/95/EC

Approvals
$_cCSA_{US}$ A300 (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. To achieve safe positive opening the user must observe suitable alignment and mechanical driving fit for all adjustable parts. A sufficient contact angle to reach the marked positive opening (⊖) must be ensured.