

# Technical Data

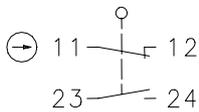
## Plastic bodied limit switch

### Series I88

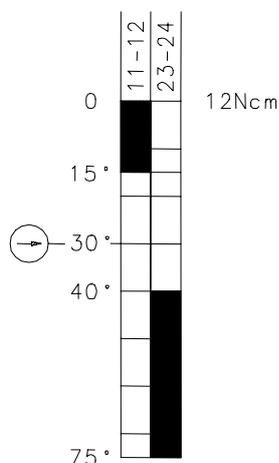
Description I88-U1Z AV VS

Article number 6186136413

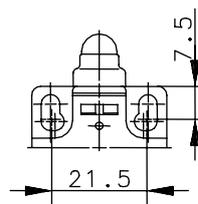
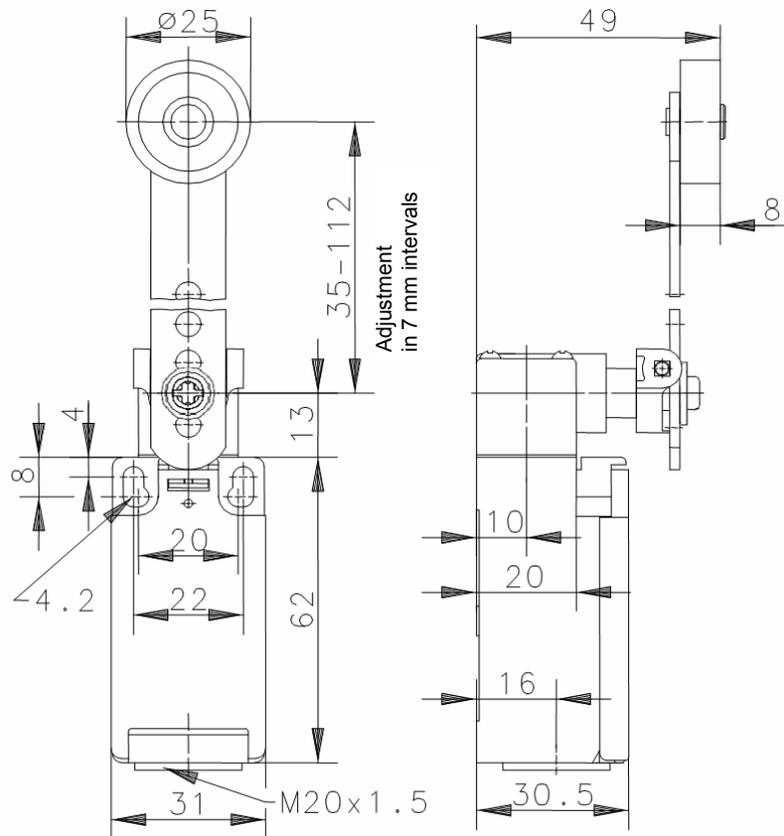
#### Operating symbol



#### Operating diagram



On    Off    Tolerance:  
 Operating point  $\pm 3,5^\circ$ ;  
 Operating torque  $\pm 10\%$



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

#### 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
Short-circuit protective device		Fuse 10 A gG
Protection class		II, totally insulated

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# Technical Data

## Plastic bodied limit switch



Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Lever (st), Roller (Thermoplastic)
Ambient air temperature	-30°C ... +80°C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	10 x 10 <sup>6</sup> switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	4 screw connections (M3)
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 M20 x 1,5
Weight	≈ 0,11 kg
Installation position	Operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

**Actuation**

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>	acc. to directive 2006/95/EG
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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.

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