

Technical Data

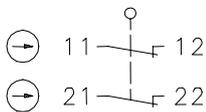
Plastic bodied limit switch

Series I88

Description **I88-A2Z AH**

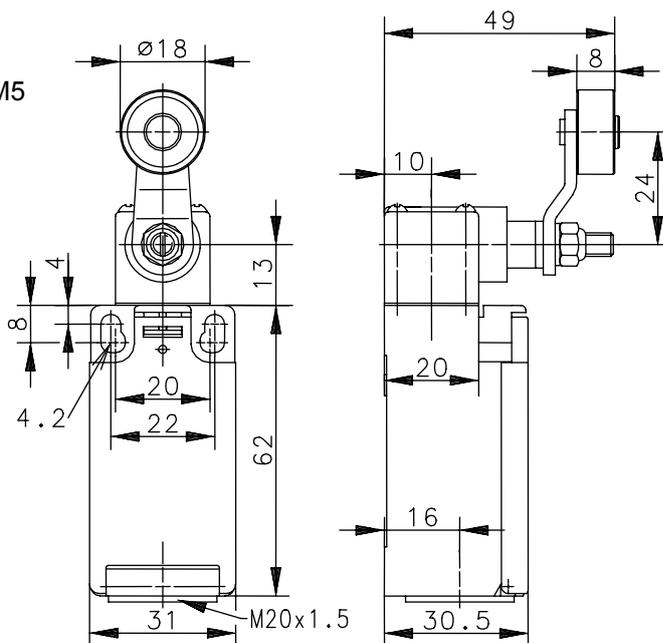
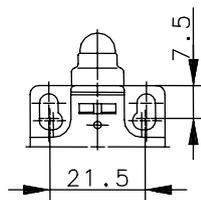
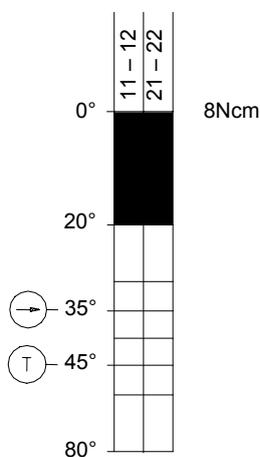
Article number **6086835059**

Operating symbol



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

Operating diagram



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

Electrical data

Rated insulation voltage	U_i	250V AC
Conv. thermal current	I_{the}	5A AC / 2,5A DC
Rated operational voltage	U_e	240V
Utilization category		AC-15, U_e/I_e 240V/1,5A DC-13, U_e/I_e 125V/0,55A 250V/0,27A
Direct opening action		acc. to IEC/EN 60947-5-1, Annex K
Gap between NC-contacts		DIN EN 81
Short-circuit protective device		Fuse 6A gL/gG
Protection class		II, totally insulated

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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 (thermoplastic)
Ambient air temperature	-30°C ... +80°C
Contact type	2 NC (Zb)
Mechanical life	1 x 10 ⁶ switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	4 screw connections (M3)
Conductor cross-sections	Solid: 0.5 ... 1.5mm ² Litz wire with ferrules: 0.5 ... 1.5mm ²
Cable entrance	1 x M20x1,5
Weight	≈ 0,09kg
Installation position	Operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

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 4 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
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EU Conformity	CE
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Approvals

cCSA_{US} B300 (same polarity), Q300

Notes

The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent cable gland with adequate cable.