

Technical Data

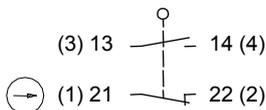
Plastic bodied limit switch

Series I88

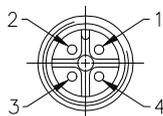
Description **I88-SU1Z AH M12**

Article number **6186185745**

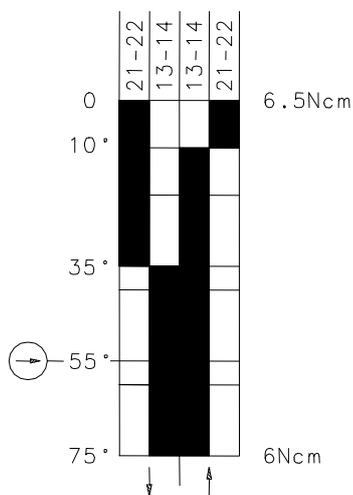
Operating symbol



Connector

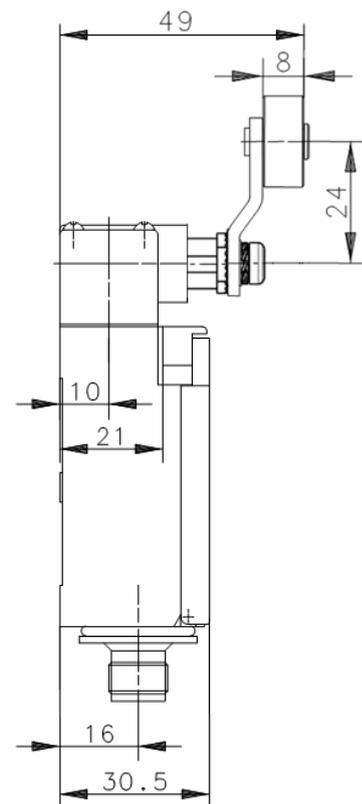
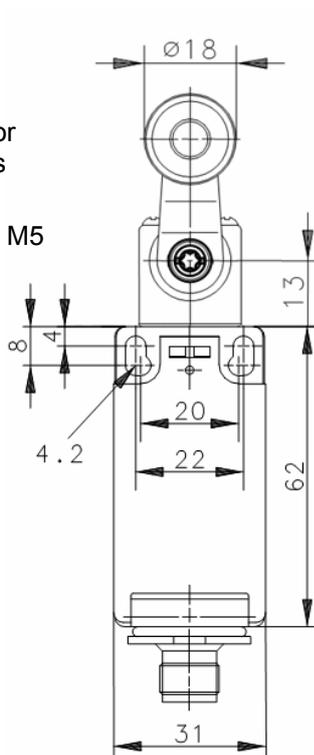
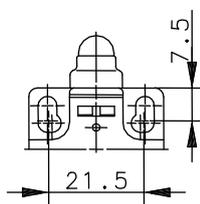


Operating diagram



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}	2,5 A
Rated operational voltage	U_e	240 V
Utilization category		AC-15, U_e/I_e 240 V / 0,75 A
Direct opening action		acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 2 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	Turret head, lever (St), roller (thermoplastic)
Ambient air temperature	-30 °C ... +80 °C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	Connector M12 x 1, A-coded
Cable entrance	1 x M20 x 1,5
Weight	≈ 0,1 kg
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 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

EU Conformity

acc. to directive 2006/95/EG

Approvals

cCSA_{US} C300 (same polarity)

Notes

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

The connector and the cable (fix or flexible mounted) must at least be suitable for the described ambient air temperatures.

The connector must not be connected or disconnected when voltage is applied.

The mechanical life of the connector is 500 connection cycles.

Suitable connector and cable must be used to meet approval requirements.