



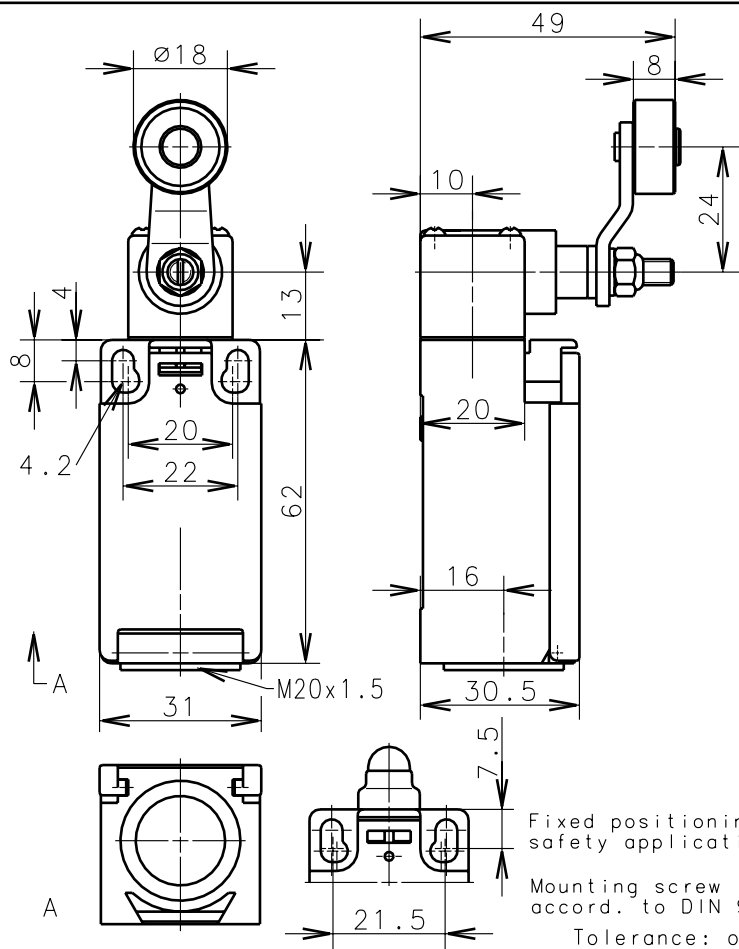
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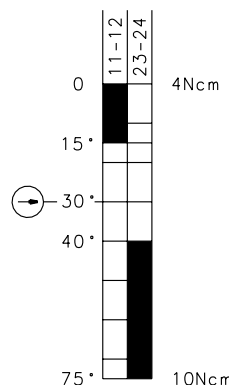
Technical data sheet

I 88-U1Z AH

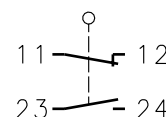
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Positive opening operation according to DIN EN 60947-5-1 IEC 60947-5-1



Switching diagram



Switching symbol

Fixed positioning for safety applications

Mounting screw accord. to DIN 912 M5

Tolerance: operating point $\pm 3.5^\circ$; operating torque $\pm 10\%$

Mechanical features

Enclosure: Thermoplast, glass fibre reinforced (UL 94-V0)
Cover: Thermoplast, glass fibre reinforced (UL 94-V0)
Actuator: Turret head, roller (thermoplast)

Ambient air temperature: -30°C up to $+80^\circ\text{C}$
Contact type: 1 NC-contact, 1 NO-contact (Zb)
Mechanical life: 10×10^6 switch operations
Switch frequency: max. 100/min
Mounting: 2 x M4
Connection type: 4 screw connections (M3.5)
Conductor cross-section: single core 0.5-1.5mm²/litz wire with connector sleeve 0.5-1.5mm²
Cable entry size: 1 x M20x1.5
Weight: approx. 0,10kg

Electrical features

Rated insulation voltage: $U_i = 250 \text{ V AC}$
Conventional thermal current: $I_{the} = 10 \text{ A}$
Max. inrush current: according to IEC 60947-5-1, AC 15, A300
Utilization categorie: AC 15, A300, U_e/I_e 240V/3A
Standards: according to EN 60947-1; EN 60947-5-1
Protection class (IP-Code): IP65 according to EN 60529, DIN VDE 0470 T1
CSA: 10A 300V AC, A300 (same polarity)
Short-circuit protection: Fuse 10A gL/gG, IEC/EN 60947-5-1, appendix K

Approach possibilities

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.

Remarks

The moving parts should be oiled periodically.
The rated protection class (IP-Code) is valid only at closed cover and when using an at least equivalent cable gland.