

Technical Data

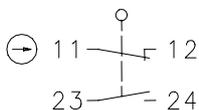
Plastic bodied limit switch

Series I88

Description **I88-U1Z FF SW**

Article number **6186140677**

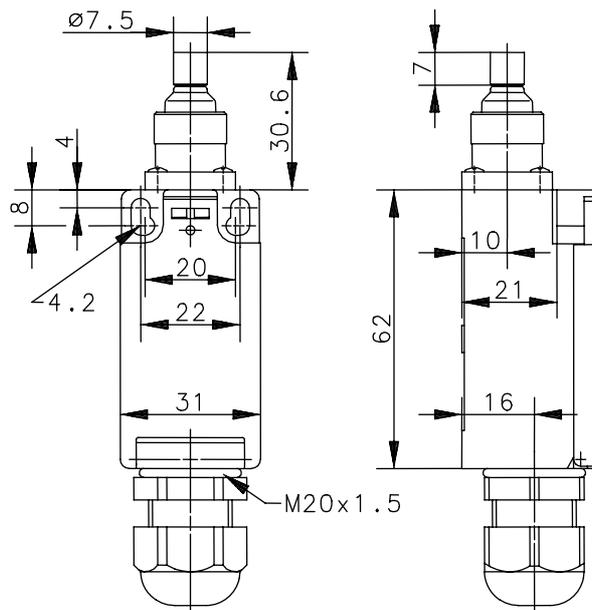
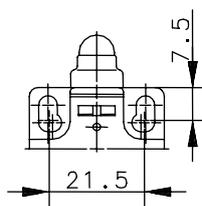
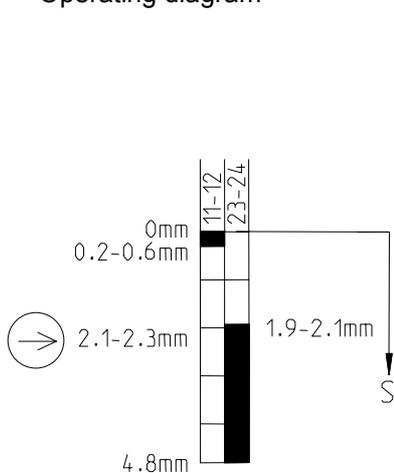
Operating symbol



Fixed positioning for safety applications

Mounting screw according to DIN 912 M5

Operating diagram



On Off (actuating in plunger direction)

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
Positive opening NC contact	\ominus	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
Cover	Thermoplastic, glass fibre reinforced
Actuator	Plunger (metal)
Ambient air temperature	-30 °C/+80 °C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	1 x 10 ⁶ switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0,5 ... 1,5 mm ² Litz wire with ferrules: 0,5 ... 1,5 mm ²
Cable entrance	1 x cable gland (M20x1,5; Tightness-range 5 – 10 mm)
Weight	≈ 0,08 kg
Installation position	Operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1
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} A300 (same polarity)

Notes

The specified protection classification (IP code) applies only when the cover is closed and the appropriate cable is used, in accordance with the clamping range of the above mentioned cable gland.