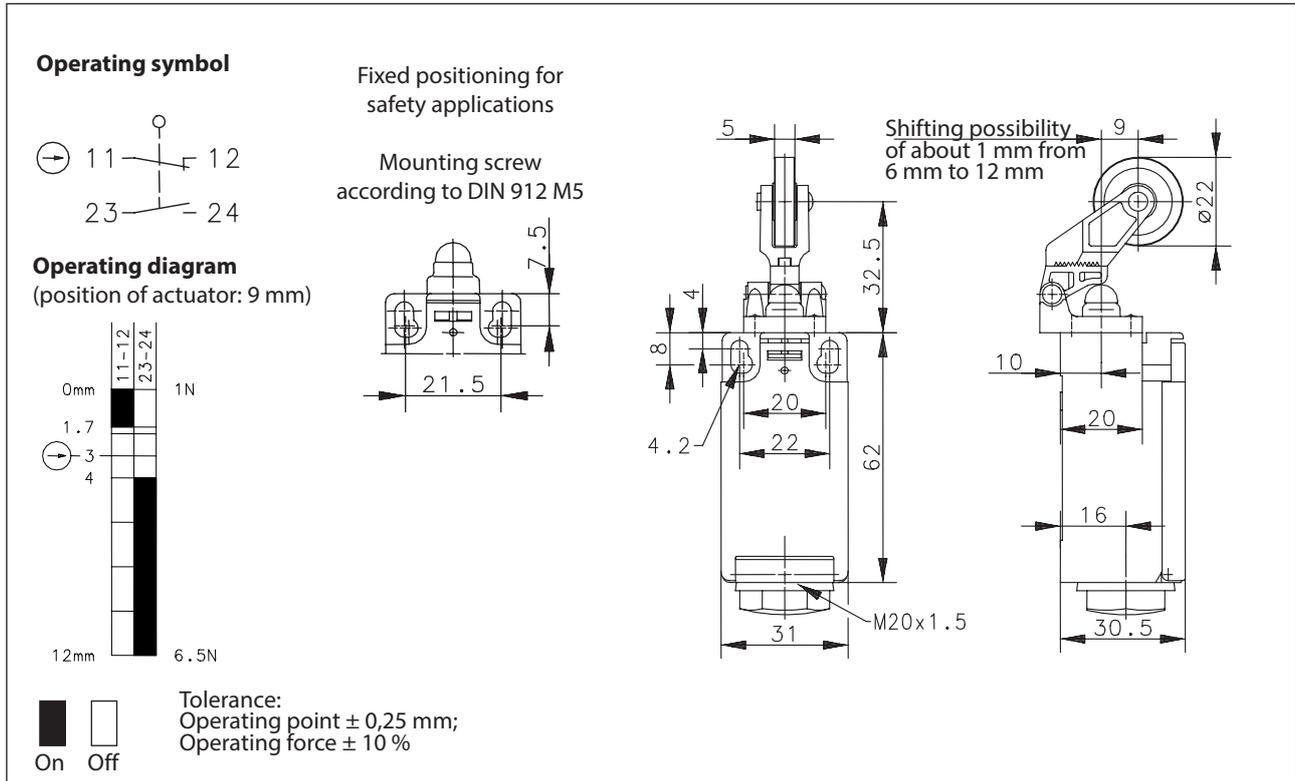


Plastic bodied limit switch Series I88

Description **I88-U1Z DGHW 270GR RO22**

Article number **6186121418**



Breaking capacity DC

Rated operational voltage	U_e	110 V DC
Rated operational current	I_e	0,7 A
Switching frequency		≤ 60 /min
Mechanical life		1×10^6 switching cycles
Load		ohmsch

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 DC-13, U_e/I_e 24 V / 1 A DC-13, U_e/I_e 240 V / 0,1 A
Direct opening action	\rightarrow	acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 10 A gG
Protection class		II, totally insulated

Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Lever with roller (thermoplastic)
Ambient air temperature	-30 °C ... +80 °C
Contact type	1 N.C., 1 N.O. (Zb)
Mechanical life	10 x 10 ⁶ operating 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 or Litz wire with ferrules: 0,5 ... 1,5 mm ²
Cable entrance	1 x self-sealing grommet M20 x 1,5 (tightness-range 8 – 13,5 mm)
Weight	≈ 0,07 kg
Installation position	operator definable
Protection type	IP54 acc. to IEC/EN 60529

ID for safety engineering	
B10d	20 x 10 ⁶ switching cycles

Actuation	
<p>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.</p>	

Standards	
	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
	DIN EN ISO 13849-1

EU Conformity	
	acc. to directive 2014/35/EU (Low-Voltage-Directive)

Approvals	
	c _{CSA} _{US} A300 (same polarity)
	CCC

Notes	
<p>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 self-sealing grommet. Actuator head turned by 270°.</p>	