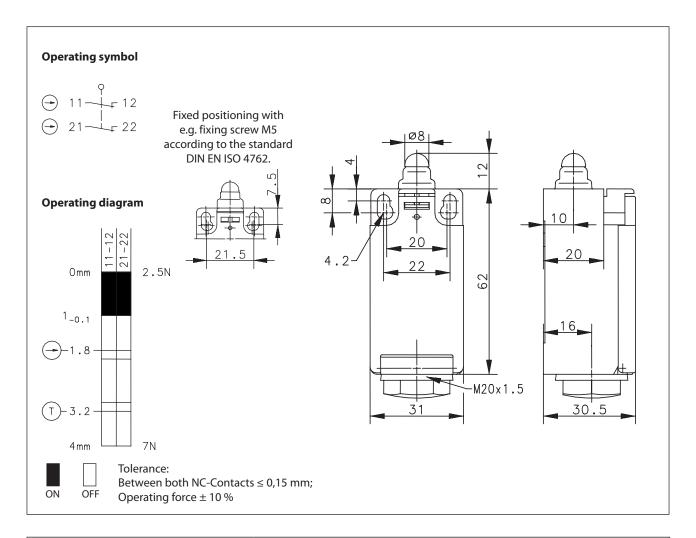


Plastic bodied limit switch

Series 188

Description 188-A2ZW Article number 6186803420



Electrical Data		
Rated insulation voltage	U _i	250 V AC
Conv. thermal current	I_{the}	5 A
Rated operational voltage	U_e	240 V
Utilization category / rated making and braking capacities		AC-15, U _e /I _e 240 V / 1,5 A DC-13, U _e /I _e 24 V / 1 A DC-12, U _e /I _e 110 V / 0,7 A
Direct opening action	\odot	acc. to IEC/EN 60947-5-1, annex K
Gap between NC-contacts	1	DIN EN 81
Short-circuit protective device		Fuse 6 A gG
Protection class		II, totally insulated

Technical Data



Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Plunger (thermoplastic)
Ambient air temperature	-30 °C +80 °C
Contact type	2 NC (Zb)
Mechanical life	1 x 10 ⁶ operating cycles
Switching frequency	≤ 100 / min.
Assembly	2 x M4
Connection	4 screw connections (M3)
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	≈ 0,06 kg
Installation position	operator definable
Protection type	IP54 acc. to IEC/EN 60529

ID for safety engineering			
B10d	2 x 10 ⁶ cycles		

Actuation

The push bolt actuator is mainly intended to be actuated along it's axis. Side actuation will considerably reduce switch life.

Standards	
	DIN EN 60947-5-1
	DIN EN ISO 13849-1

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

Approvals	
CCC	
_c CSA _{Us}	B300 (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 self-sealing grommet.