

# Plastic bodied limit switch Series I88

Description <b>I88-A2Z W</b>	Article number <b>6186803420</b>
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**Operating symbol**

Fixed positioning with e.g. fixing screw M5 according to the standard DIN EN ISO 4762.

**Operating diagram**

ON OFF Tolerance: Between both NC-Contacts  $\leq 0,15$  mm; Operating force  $\pm 10$  %

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	$\ominus$	acc. to IEC/EN 60947-5-1, annex K
Gap between NC-contacts	$\text{Ⓢ}$	DIN EN 81
Short-circuit protective device		Fuse 6 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	Plunger (thermoplastic)
Ambient air temperature	-30 °C ... +80 °C
Contact type	2 NC (Zb)
Mechanical life	1 x 10 <sup>6</sup> operating cycles
Switching frequency	≤ 100 / min.
Assembly	2 x M4
Connection	4 screw connections (M3)
Conductor cross-sections	Solid: 0,5 ... 1,5 mm <sup>2</sup> or Litz wire with ferrules: 0,5 ... 1,5 mm <sup>2</sup>
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 <sup>6</sup> 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
cCSA <sub>US</sub> 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.