

Technical Data

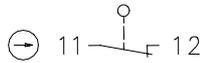
Plastic bodied limit switch

Series I88

Description **I88-A1Z W**

Article number **6186703296**

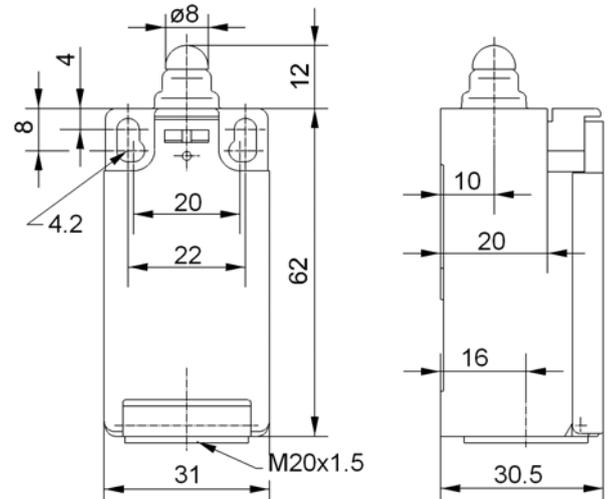
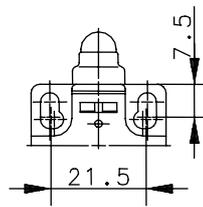
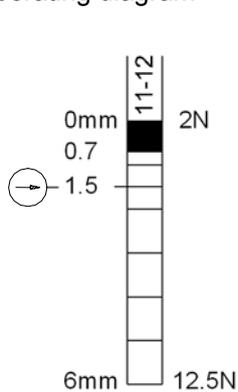
Operating symbol



Fixed positioning for
safety applications

Mounting screw
according to DIN 912 M5

Operating diagram



  Tolerance:
 On Off Operating point $\pm 0,25$ mm;
 Actuating force ± 10 %

Electrical data

Rated insulation voltage	U_i	250V AC
Conv. thermal current	I_{the}	10A
Rated operational voltage	U_e	240V
Utilization category		AC-15, U_e/I_e 240V/3A
Direct opening action	\ominus	acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 10A gG
Protection class		II, totally insulated

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Technical Data

Plastic bodied limit switch



Mechanical data

Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0), red
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0), black
Actuator	Plunger (thermoplastic)
Ambient air temperature	-30°C ... +80°C
Contact type	1 NC (Y)
Mechanical life	10 x 10 ⁶ switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	2 screw connections (M3,5)
Conductor cross-sections	Solid: 0,5 ... 1,5mm ² Litz wire with ferrules: 0,5 ... 1,5mm ²
Cable entrance	1 x M20x1,5
Weight	≈ 0,06 kg
Installation position	Operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

ID for safety engineering

B10d	20 x 10 ⁶ switching cycles
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Actuation

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

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 / EC

Approvals

cCSA_{US} A300 (same polarity)

Notes

The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent cable gland with adequate cable.

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