

Technical Data

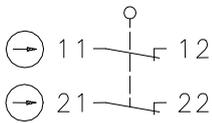
Plastic bodied limit switch

Series I88

Description **I88-A2Z HW 180GR RO11**

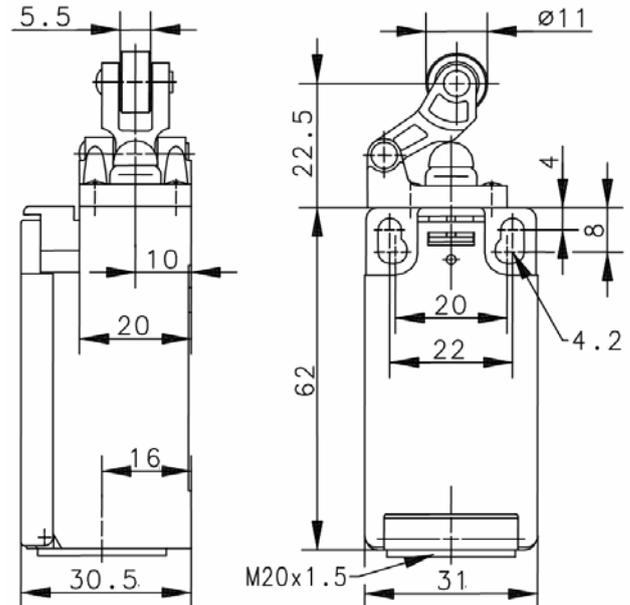
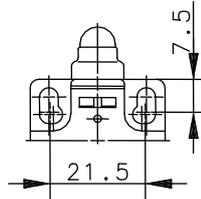
Article number **6186821261**

Operating symbol



Fixed positioning for
safety applications
Mounting screw
according to DIN 912 M5

Operating diagram



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

Electrical data

Rated insulation voltage	U_i	250 V AC
Conv. thermal current	I_{the}	5 A AC / 2,5 A DC
Rated operational voltage	U_e	240 V
Utilization category		AC-15, U_e/I_e 240 V / 1,5 A DC-13, U_e/I_e 125 V / 0,55 A 250 V / 0,27 A
Direct opening action	\ominus	acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 6 A gG
Protection class		II, totally insulated

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Plastic bodied limit switch



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	2 NC (Zb)
Mechanical life	1 x 10 ⁶ switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	4 screw connections (M3)
Conductor cross-sections	Solid: 0.5 ... 1.5 mm ² Litz wire with ferrules: 0.5 ... 1.5 mm ²
Cable entrance	1 x M20 x 1,5
Weight	≈ 0,07 kg
Installation position	Operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

ID for safety engineering

B10d	2 x 10 ⁶ switching cycles
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Actuation

The actuating device is preferably started from 1 side.

By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 4 actuation directions are possible.

The actuation assembly is to be again fastened to the housing using the 4 screws.

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 2006/42/EC

Approvals

cCSAus B300 (same polarity)

Notes

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

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