

# Technical Data

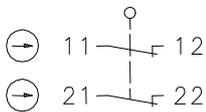
## Plastic Switch

### Series I88

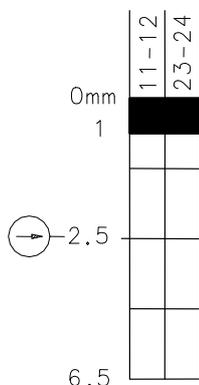
Description **I88-A2Z KNW RO22**

Article number **6186827246**

Operating symbol

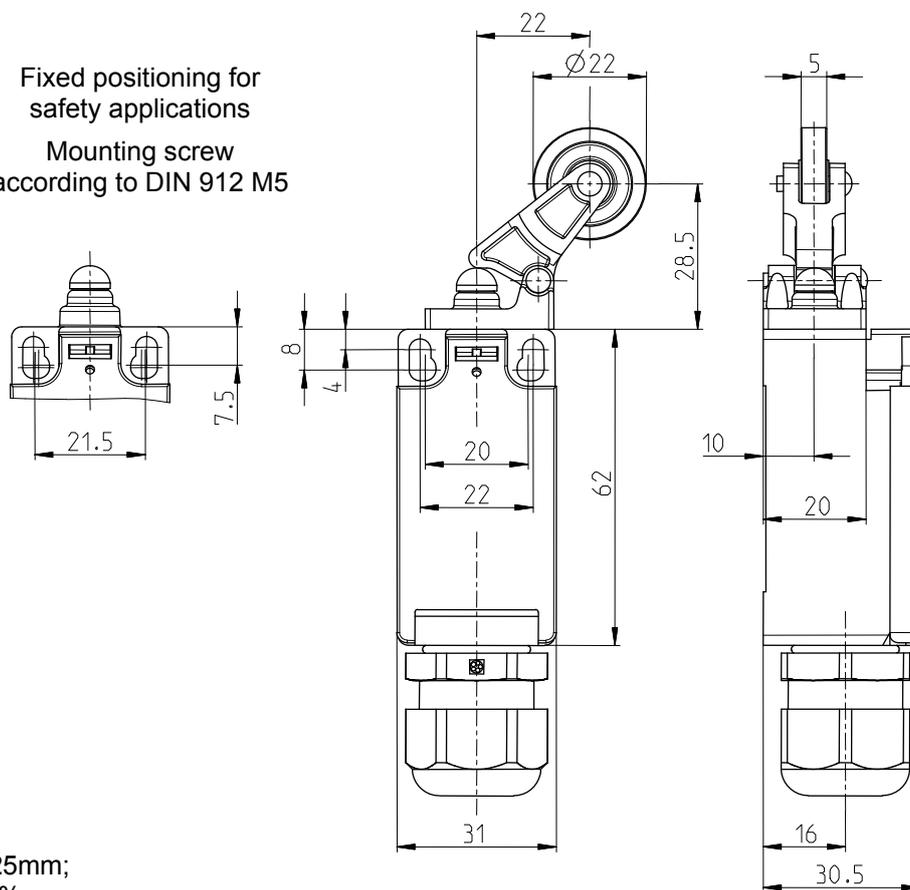


Operating diagram



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

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



### 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		AC-15, $U_e/I_e$ 240 V/1,5 A
Direct opening action		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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# Technical Data

## Plastic 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 <sup>6</sup> switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	4 screw connections (M3)
Conductor cross-sections	Solid: 0.5 ... 1.5mm <sup>2</sup> Litz wire with ferrules: 0.5 ... 1.5 mm <sup>2</sup>
Cable entrance	cable gland M20 x 1,5 (clamp-range 5-10 mm)
Weight	≈ 0,06 kg
Installation position	Operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

### ID for safety engineering

B10d	2 x 10 <sup>6</sup> 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 / 95 / EC

### Approvals

cCSA<sub>US</sub> B300 (same polarity)

### Notes

The degree of protection specified (IP code) applies only to a properly closed cover and the appropriate cable is used in accordance with the clamping range of the above mentioned cable gland.