# **Technical Data**

# Plastic bodied limit switch

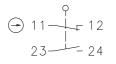


### Series 188

Description I88-U1Z KNW 180GR RO22

Article number 6186127113

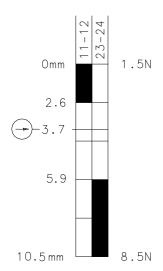
### Operating symbol

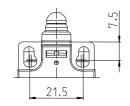


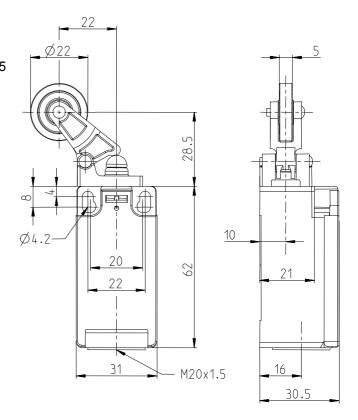
Fixed positioning for safety applications

Mounting screw according to DIN 912 M5

### Operating diagram







Tolerance:

Operating point ± 0,25mm;

On Off Operating torque ± 10%

Electrical data		
Rated insulation voltage	Ui	250 V AC
Conv. thermal current	<b>I</b> <sub>the</sub>	10 A
Rated operational voltage	$U_e$	240 V
Utilization category		AC-15, U <sub>e</sub> /I <sub>e</sub> 240 V/3 A
Direct opening action	$\odot$	acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 10 A gL/gG
Protection class		II, totally insulated

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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	1 NC, 1 NO (Zb)
Mechanical life	10 x 10 <sup>6</sup> switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0.5 1.5mm <sup>2</sup>
	Litz wire with ferrules: 0.5 1.5mm <sup>2</sup>
Cable entrance	1 x M20x1,5
Weight	≈ 0,07kg
Installation position	Operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

#### **Actuation**

The actuating device is preferably started from 2 sides.

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	C€
Approvals	<sub>C</sub> CSA <sub>US</sub> A300 (same polarity)
	(33

### **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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