



### Basic features

Approval/Conformity	CE
	EAC
	WEEE
Basic standard	IEC 60947-5-2

### Display/Operation

Function indicator	yes
Power indicator	no

### Electrical connection

Connection type	1. Switch position: Screw terminals
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

### Electrical data

Load capacitance max. at U <sub>e</sub>	0.5 µF
Rated insulation voltage U <sub>i</sub>	75 V DC
Rated operating current I <sub>e</sub>	100 mA
Rated operating voltage U <sub>e</sub> DC	24 V
Rated short circuit current	100 A
Ready delay t <sub>v</sub> max.	30 ms
Residual current I <sub>r</sub> max.	1350 µA
Ripple max. (% of U <sub>e</sub> )	15 %
Utilization category	DC -13
Voltage drop static max.	7 V

### Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
Protection degree	IP67 only when installed in multiple limit switches

### Material

Housing material	PA 12
Material sensing surface	PA 12

## Mechanical data

Dimension	60 x 11.8 x 59.9 mm
Installation	for flush mounting
Tightening torque clamping screw	0.5 Nm

## Output/Interface

Switching output	non-polarized normally closed (NC)
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## Range/Distance

Assured operating distance Sa	1. Switch position: 1.6 mm
Hysteresis H max. (% of Sr)	20.0 %
Range	2 mm
Rated operating distance Sn	1. Switch position: 2 mm
Real switching distance sr	2 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	10 %

## Remarks

The load can be switched optionally to one of the two lines.  
The sensor is functional again after the overload has been eliminated.

## Wiring Diagrams

