



1) Sensing surface 2) Housing 3) Cover 4) Potentiometer 5) LED function indicator



### Electrical connection

Cable length	2 m
Conductor cross-section	0.25 mm <sup>2</sup>
Connection type	Cable, 2.00 m, PVC
Number of conductors	3
Protection against device mix-ups	yes
Short-circuit protection	yes

### Electrical data

Hysteresis H max. (% of Sr)	15.0 %
Operating voltage U <sub>b</sub>	10...35 VDC
Polarity reversal protected	yes
Rated insulation voltage U <sub>i</sub>	75 V DC
Rated operating current I <sub>e</sub>	300 mA
Repeat accuracy max. (% of Sr)	2.0 %
Ripple max. (% of U <sub>e</sub> )	10 %
Switching frequency	100 Hz
Utilization category	DC-13
Voltage drop static max.	1.5 V

### Environmental conditions

Ambient temperature	-30...60 °C
IP rating per IEC 60529	IP67

### Functional safety

MTTF (40 °C)	262 a
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### General data

Approval/Conformity	CE cULus
Basic standard	IEC 60947-5-2
Sensitivity	Switching distance adjustable

### Material

Cover material	PVC
Cover material	PVC
Housing material	Stainless steel (1.4301)
Material jacket	PVC
Material sensing surface	PVC

### Mechanical data

Installation	for flush mounting
Size	D22.0

### Output/Interface

Switching output	PNP Normally open (NO)
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### Range/Distance

Measuring range	2...10 mm
Rated operating distance S <sub>n</sub>	10 mm
Temperature drift max. (% of Sr)	20 %

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

## Wiring Diagram

