

### Basic features

Basic standard	IEC 60947-5-2 IEC 60947-5-7
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### Display/Operation

Power indicator	no
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### Electrical connection

Connection	M8x1-Male, 3-pin
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

### Electrical data

Limit frequency -3 dB	1000 Hz
Load resistance RL min.	2000 Ohm
No-load current Io max. at Ue	10 mA
Operating voltage Ub	15...30 VDC
Rated insulation voltage Ui	75 V DC
Rated operating voltage Ue DC	24 V
Slope U	6.67 V/mm

### Environmental conditions

Ambient temperature	10...60 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 gn, 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67

### Functional safety

MTTF (40 °C)	640 a
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### Interface

Analog output	Analog, voltage 0...10 V
Output characteristic	falling on approach
Output voltage at SI max.	10 V
Output voltage at SI min.	0 V
Output voltage at Se	5 V

### Material

Housing material	Stainless steel
Material sensing surface	PBT

### Mechanical data

Dimension	Ø 6.5 x 45 mm
Installation	for flush mounting
Mounting length	32.3 mm
Size	D6.5

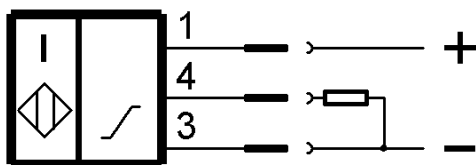
### Range/Distance

Linearity range SI	0.5...2 mm
Measuring range	0.5...2 mm
Non-linearity max.	±45 µm
Repeat accuracy per BWN	±40 µm
Temperature drift max. from end value	±5.0 %

## Connector Drawings



## Wiring Diagrams



## Technical Drawings

