

### Basic features

Approval/Conformity	CE UKCA cULus WEEE
Basic standard	IEC 60947-5-2 IEC 60947-5-7

### Display/Operation

Power indicator	no
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### Electrical connection

Cable diameter D	3.10 mm
Cable length L	1.4 m
Connection	M8x1-Male, 3-pin
Connection type	Cable with connector, 1.40 m, PUR
Polarity reversal protected	no
Protection against device mix-ups	no
Short-circuit protection	no

### Electrical data

Limit frequency -3 dB	1000 Hz
Load resistance RL min.	5000 Ohm
No-load current Io max. at Ue	15 mA
Operating voltage Ub	21.6...26.4 VDC
Rated insulation voltage Ui	75 V DC
Rated operating voltage Ue DC	24 V
Ripple max. (% of Ue)	10 %
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

## 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 jacket	PUR
Material sensing surface	PBT

## Mechanical data

Dimension	Ø 6.5 x 30.5 mm
Installation	for flush mounting
Mounting length	30.0 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	±10 µm
Temperature drift max. from end value	±5.0 %

## Remarks

Values referenced to axial approach of St 37 target. For other materials correction factors are applied.

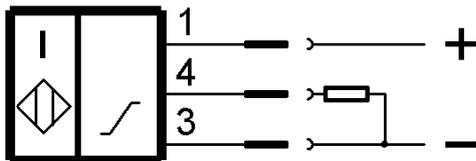
EMC: External protection circuit required, see instruction for EMC protection circuit 825345.

The specified parameters apply to the temperature range of +10...+60 °C. Function is also guaranteed in the ranges -10...+10 °C and +60...+70 °C.

## Connector Drawings



## Wiring Diagrams (Schematic)



Technical Drawings

