

1) Sensing surface



### Basic features

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

### Display/Operation

Power indicator	no
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### Electrical connection

Cable diameter D	3.50 mm
Cable length L	5 m
Conductor cross-section	0.14 mm <sup>2</sup>
Connection type	Cable, 5.00 m, PUR
Number of conductors	4
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

### Electrical data

Limit frequency -3 dB	200 Hz
Load resistance RL min.	2000 Ohm
Load resistance RT min.	2000 Ohm
No-load current Io max. at Ue	12 mA
Operating voltage Ub	15...30 VDC
Rated insulation voltage Ui	75 V DC
Rated operating voltage Ue DC	24 V
Ripple max. (% of Ue)	15 %
Slope U	2.50 V/mm
Temperature output	-9 mV/°C

### 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 Analog, temperature
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	Aluminium, Anodized
Material jacket	PUR
Material sensing surface	PA 12

## Range/Distance

Linearity range SI	1...5 mm
Measuring range	1...5 mm
Non-linearity max.	±120 µm
Repeat accuracy per BWN	±10 µm
Temperature drift max. from end value	±5.0 %

## Mechanical data

Dimension	38.5 x 30 x 17 mm
Installation	non-flush

## Remarks

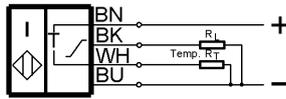
Values referenced to axial approach of St 37 target. For other materials correction factors are applied.

UL-MARKINGS: - For use in NFPA 79 Applications only - Adapters providing field wiring means are available from the manufacturer. Refer to manufacturers information.

For more information about MTTf and B10d see MTTf / B10d Certificate

Indication of the MTTf- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

## Wiring Diagrams (Schematic)



## Technical Drawings

