

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

Cable diameter D	4.60 mm
Cable length L	5 m
Conductor cross-section	0.34 mm ²
Connection type	Cable, 5.00 m, PVC
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

Electrical data

Load resistance RL max.	2400 Ohm
No-load current I _o max. at U _e	10 mA
Operating voltage U _b	10...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating voltage U _e DC	24 V
Ripple max. (% of U _e)	10 %

Environmental conditions

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

Functional safety

MTTF (40 °C)	110 a
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Interface

Analog output	Analog, current 2.3...8.5 mA
Output characteristic	falling on approach
Output current at SI max.	8.5 mA
Output current at SI min.	2.3 mA
Output current at Sa max.	10 mA

Material

Housing material	Brass, nickel plated
Material jacket	PVC
Material sensing surface	PA 12

Mechanical data

Dimension	Ø 18 x 83 mm
Installation	non-flush
Mounting length	51.0 mm
Size	M18x1

Range/Distance

Linearity range S_l

1.75...5.75 mm

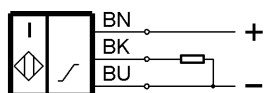
Measuring range

1.25...8 mm

Repeat accuracy per BWN

$\pm 2.0 \mu\text{m}$

Wiring Diagrams



Technical Drawings

