

Basic features

Approval/Conformity	CE EAC WEEE
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Electrical connection

Cable diameter D	3.70 mm
Cable length L	2 m
Conductor cross-section	0.34 mm ²
Connection type	Cable, 2.00 m, PTFE
Number of conductors	3
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

No-load current I _o max., damped	7 mA
No-load current I _o max., undamped	7 mA
Operating voltage U _b	10...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	200 mA
Rated operating voltage U _e DC	24 V
Ready delay t _v max.	160 ms
Residual current I _r max.	20 μA
Ripple max. (% of U _e)	10 %
Switching frequency	200 Hz
Voltage drop static max.	2.5 V

Remarks

Installation instructions for ultra-high temperature rated inductive sensors 887015
 The sensor is functional again after the overload has been eliminated.

Environmental conditions

Ambient temperature	-25...160 °C
Protection degree	IP68

Material

Housing material	Stainless steel (1.4571)
Material jacket	PTFE, FEP
Material sensing surface	PEEK

Mechanical data

Dimension	Ø 12 x 66 mm
Installation	non-flush
Size	M12x1

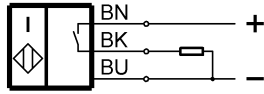
Output/Interface

Switching output	PNP normally open (NO)
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Range/Distance

Assured operating distance S _a	3.2 mm
Hysteresis H max. (% of S _r)	10.0 %
Rated operating distance S _n	4 mm
Real switching distance s _r	4 mm
Repeat accuracy max. (% of S _r)	5.0 %
Temperature drift max. (% of S _r)	20 %
Tolerance S _r	±10 %

Wiring Diagrams



Technical Drawings

