

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Cable

Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP/NPN
Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 4.6
Minimum load current [mA]	4
Leakage current [mA]	< 0.6
Current rating [mA]	150
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	460

Range

Sensing range [mm]	10
Real sensing range (Sr) [mm]	10 ± 10 %
Operating distance [mm]	0...8.1

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	-25...80
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2
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I15697

IIB2010-ARKG/UP

Inductive sensors

	EN 55011:	class B
MTTF	[Years]	2642

Mechanical data

Mounting	flush mountable
Housing materials	Brass nickel-plated; PBT
Weight	[kg] 0.233

Displays / operating elements

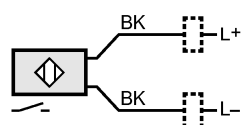
Output status indication	LED	yellow
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Electrical connection

Connection	PVC cable / 2 m; 2 x 0.5 mm ²
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Wiring

Core colours
BK black



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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