

Product characteristics

Inductive sensor
Metal thread M30 x 1.5
Cable
Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	complementary
Voltage drop [V]	< 2.5
Current rating [mA]	100; 250 (...80 °C)
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	400

Monitoring 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. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	-25...100
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2 EN 55011:	class B
MTTF [Years]		1365

Mechanical data

II5676

IIA4010ZCPKG/BH

Inductive sensors

Mounting	flush mountable
Housing materials	brass nickel-plated; PBT
Weight [kg]	0.23

Displays / operating elements

Output status indication	LED	yellow
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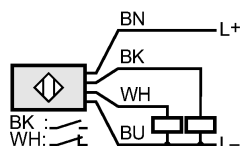
Electrical connection

Connection	PUR cable / 2 m; 4 x 0.34 mm ²
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Wiring

Core colors

- BK black
- BN brown
- BU blue
- WH white



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity [piece]	1
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