

Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...55 DC

Current consumption [mA]

12 (24 V)

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating

- Current rating (continuous) [mA]

50; 100 (...50 °C)

- Current rating (peak) [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

1300

Monitoring range

Sensing range [mm]

4

Real sensing range (Sr) [mm]

4 ± 10 %

Operating distance [mm]

0...3.25

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]

1581

Mechanical data

Mounting

non-flush mountable

IF5704 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Housing materials	brass white bronze coated; PC (polycarbonate)
Weight [kg]	0.091
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PUR / PVC cable / 2 m; 3 x 0.34 mm ²

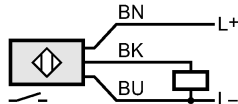
Wiring

Core colors

BK black

BN brown

BU blue



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity [piece]	1
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