



Product characteristics

Inductive sensor

Metal thread M8 x 1

Cable

Sensing range 2 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

5...36 DC

Protection class

III

Reverse polarity protection

no

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 0.8

Current rating [mA]

200

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

2700

Monitoring range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.6

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

3338

Mechanical data

Mounting

non-flush mountable

Housing materials

brass white bronze coated; active face: POM (polyoxymethylene); end cap: Makrolon

Weight [kg]

0.047

Displays / operating elements

Output status indication LED

yellow

Electrical connection

Connection

PUR / PVC cable / 2 m; 2 x 0.14 mm²

Wiring

IE5238 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colors
 BK black
 WH white



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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