

Product characteristics

Inductive sensor

Metal thread M8 x 1

Cable

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

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

800

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 / Al approx. 0.4 / Cu approx. 0.3

Hysteresis [% of Sr]

3...20

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

3428

Mechanical data

Mounting

non-flush mountable

Housing materials

Brass nickel-plated; PBT

Weight [kg]

0.098

Displays / operating elements

Output status indication LED

Red

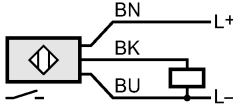
Electrical connection

Connection

PUR cable / 4 m; 3 x 0.14 mm²

Wiring

IE5317 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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