

Product characteristics

Inductive sensor

Metal thread M12 x 1

Connector

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

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

15 (24 V)

Protection class

II

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 1

Current rating [mA]

200

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

300

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. 0.4 / Al approx. 0.3 / Cu 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]

1685

Mechanical data

Mounting

non-flush mountable

Housing materials

Brass white bronze coated; PC (polycarbonate)

Weight [kg]

0.028

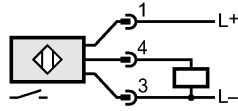
Electrical connection

Connection

M12 connector

**Wiring**

**IF5493 - Inductive sensor - eclass: 27270101 / 27-27-01-01**



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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