

Product characteristics

Inductive sensor

Rectangular, plastics

Cable with connector

Sensing range 50 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...55 DC

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 0.6

Current rating [mA]

400

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

90

Range

Sensing range [mm]

50

Operating distance [mm]

0...40.5

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]

3...20

Switch-point drift [% of Sr]

-15...15

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF

[Years]

1631

Mechanical data

Mounting

flush mountable

Housing materials

Brass nickel-plated; PPE

Weight [kg]

0.411

Displays / operating elements

Output status indication

LED

yellow

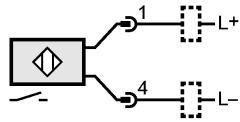
ID9920 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

PUR cable / 0.8 m; with M12 connector

Wiring



Accessories

Accessories (included)

sealing plug

Remarks

Pack quantity

[piece]

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