

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 8 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

5 (24 V)

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally closed

Voltage drop [V]

< 2.5; for I (load) < 50mA and 0...50°C: < 1.5 V

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

300

Monitoring range

Sensing range [mm]

8

Real sensing range (Sr) [mm]

8 ± 10 %

Operating distance [mm]

0...6.5

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]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

1893

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT

Weight [kg]

0.026

Displays / operating elements

Output status indication

LED

yellow

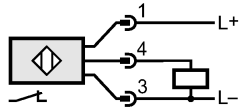
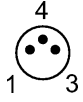
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Electrical connection

Connection

M8 connector

Wiring



Remarks

Pack quantity

[piece]

1

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