

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Quick disconnect

Sensing range 10 mm; [f] 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]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

250

Monitoring range

Sensing range [mm]

10

Real sensing range (Sr) [mm]

10 ± 10 %

Operating distance [mm]

0...8.1

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

Hysteresis [% of Sr]

3...20

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...100

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

1853

Mechanical data

Mounting

flush mountable

Housing materials

stainless steel 316Ti / 1.4571; PBT

Weight [kg]

0.162

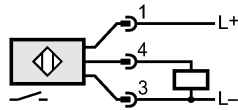
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Electrical connection

Connection

M12 connector; gold-plated contacts

Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

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