

Product characteristics

Inductive sensor

Metal thread M8 x 1

Quick disconnect

Sensing range 2 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

5...36 DC

Reverse polarity protection

no

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 0.8

Current rating [mA]

200

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

2000

Monitoring range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.6

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]

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]

3338

Mechanical data

Mounting

non-flush mountable

Housing materials

brass nickel-plated; PBT

Weight [kg]

0.025

Displays / operating elements

Output status indication LED

yellow

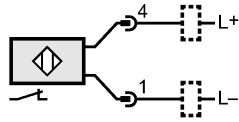
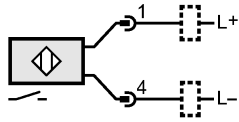
Electrical connection

Connection

M12 connector

Wiring

IE5298 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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