

Product characteristics

Inductive sensor

Metal thread M8 x 1

Cable with connector

Operation as 3-wire or 2-wire possible

Sensing range 3 mm; [f] flush mountable

Electrical data

Electrical design

3-wire DC PNP; 2-wire DC PNP/NPN

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 10 only in 3-wire operation

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.8

Minimum load current [mA]

2

Leakage current [mA]

< 0.5; only in 2-wire operation

Current rating [mA]

100; only in 2-wire operation

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

1000

Monitoring range

Sensing range [mm]

3

Operating distance [mm]

0...2.4

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]

1...15

Environment

Ambient temperature [°C]

0...60

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

2988

Mechanical data

Mounting

flush mountable

Housing materials

brass white bronze coated; active face: LCP

Weight [kg]

0.024

Displays / operating elements

Output status indication LED

yellow

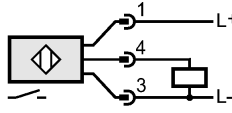
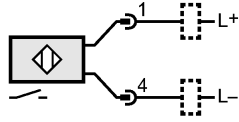
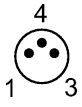
Electrical connection

Connection

PVC cable / 0.3 m; 3 x 0.14 mm²; with M8 connector (snap-fit)

Wiring

IE5344 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1