

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 60 mm; adjustable; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

100

Monitoring range

Sensing range [mm]

60, adjustable

Real sensing range (Sr) [mm]

60 ± 10 %

Operating distance [mm]

0...48.6

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 65

Tests / approvals

EMC

EN 61000-4-2 ESD:

- kV CD / 8 kV AD

EN 61000-4-3 HF radiated:

10 V/m

EN 61000-4-4 Burst:

2 kV

EN 61000-4-5 Surge:

0.5 kV (line to line, Ri: 20hm)

EN 61000-4-6 HF conducted:

10 V

EN 55011 (Emission):

class B

Mechanical data

Mounting

non-flush mountable

Housing materials

PPE

Displays / operating elements

Output status indication

LED

yellow

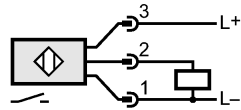
ID8501 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

7/8" connector

Wiring



Accessories

Accessories (included)

screwdriver

Remarks

Pack quantity

[piece]

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