

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 15 mm; [f] flush mountable

Electrical data

Electrical design

Operating voltage [V]

DC

10...36 DC

Current consumption [mA]

< 15

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 2.5

Minimum load current [mA]

0

Current rating [mA]

250

Short-circuit protection

yes

Overload protection

yes

Switching frequency [Hz]

350

Monitoring range

Sensing range [mm]

15

Real sensing range (Sr) [mm]

15 ± 10 %

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 65

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data

Mounting

flush mountable

Housing materials

PPO (Noryl)

Displays / operating elements

Output status indication LED

red

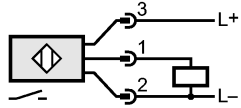
Electrical connection

# IM8502 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Connection

Quick disconnect

## Wiring



Remarks

Remarks

remove jumper for normally closed

Pack quantity

[piece]

1

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