

Product characteristics

Inductive sensor

Plastic housing Ø 34 mm

Cable with connector

Sensing range 27 mm; [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

Voltage drop [V]

< 3

**Current rating**

- Current rating (continuous) [mA]

250

- Current rating (peak) [mA]

400

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

20

Monitoring range

Sensing range [mm]

27

Real sensing range (Sr) [mm]

27 ± 10 %

Operating distance [mm]

0...21.87

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

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-30...50

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT

Displays / operating elements

Output status indication LED

red

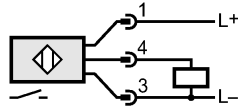
Electrical connection

Connection

PVC cable / 0.61 m; with M12 connector

**Wiring**

**IB8505 - Inductive sensor - eclass: 27270101 / 27-27-01-01**



Accessories

Accessories (included)

Mounting clamp

Remarks

Pack quantity

[piece]

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