

Product characteristics

Inductive sensor

Plastic housing Ø 34 mm

Quick disconnect

Sensing range 20 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...55 DC

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 1

Current rating [mA]

300

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

300

Monitoring range

Sensing range [mm]

20

Real sensing range (Sr) [mm]

20 ± 10 %

Operating distance [mm]

0...16.2

Accuracy / deviations

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT; end cap: polycarbonate

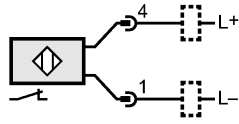
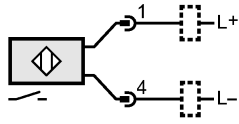
Electrical connection

Connection

M12 connector

**Wiring**

**IB8500 - Inductive sensor - eclass: 27270101 / 27-27-01-01**



Accessories

Accessories (included)

Mounting clamp

Remarks

Pack quantity

[piece]

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