

Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

5...36 DC

Reverse polarity protection

no

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 0.8

Current rating [mA]

200

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

2000

Monitoring range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.6

Accuracy / deviations

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...20

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data

Mounting

flush mountable

Housing materials

PBT

Tightening torque [Nm]

≤ 0.5 (with washer)

Displays / operating elements

Output status indication LED

yellow

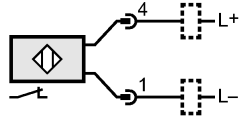
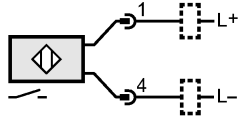
Electrical connection

Connection

PUR / PVC cable / 0.15 m; with M12 connector

Wiring

IS8503 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Remarks

Pack quantity [piece] 1

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