

Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design

Operating voltage [V]

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

Current rating

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit proof

Overload protection

Switching frequency [Hz]

Monitoring range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

Displays / operating elements

Output status indication LED

Electrical connection

AC/DC

20...140 AC / 10...140 DC (47...63 Hz AC)

no

2 x normally open

< 5

5

< 0.8

200

\hat{i} : 0.9 A (20 ms / 0.5 Hz)

no

no

25

4

$4 \pm 10 \%$

0...3.25

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

3...15

-10...10

-25...80

IP 67

EN 60947-5-2

EN 55011:

class B

507

non-flush mountable

PBT; PC (polycarbonate)

0.144

2 x red

IN0100 - Inductive sensor - eclass: 27270101 / 27-27-01-01

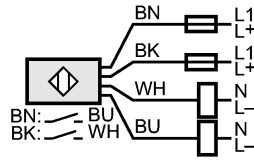
Connection

PVC cable / 2 m; 4 x 0.34 mm²

Wiring

Core colors

BK black
 BN brown
 BU blue
 WH white



Note: miniature fuse to IEC60127-2 sheet 1,
 ≤ 2 A (fast acting)
 Place the fuse outside the hazardous area.

Remarks

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Recommendation: check the unit for reliable function after a short circuit.

Pack quantity

[piece]

1