

Product characteristics

Inductive sensor

Plastic thread M18 x 1

Cable

Sensing range 12 mm; [nf] non-flush mountable

Electrical data

Electrical design

AC/DC

Operating voltage [V]

20...250 AC/DC

Protection class

II

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 6.5 AC/DC

Minimum load current [mA]

5

Leakage current [mA]

< 2.5

**Current rating**

- Current rating (continuous) [mA]

250 AC / 100 DC; 350 AC (...50 °C)

- Current rating (peak) [mA]

$\hat{i}$ : 2.2 A (20 ms / 0.5 Hz)

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

25 AC / 100 DC

Monitoring range

Sensing range [mm]

12

Real sensing range (Sr) [mm]

12 ± 10 %

Operating distance [mm]

0...9.7

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]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011: class B

MTTF [Years]

600

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT (Pocan)

Weight [kg]

0.11

Displays / operating elements

Output status indication LED

red

Electrical connection

Connection

PVC cable / 2 m; 2 x 0.5 mm<sup>2</sup>

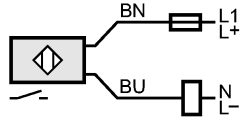
# IG0374 - Inductive sensor - eclass: 27270101 / 27-27-01-01

## Wiring

Core colors

BN brown

BU blue



Note: miniature fuse to IEC60127-2 sheet 1,  
 $\leq 2$  A (fast acting)

Accessories

Accessories (included)

2 lock nuts

Remarks

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

Pack quantity

[piece]

1