



Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

Operating voltage [V]

Protection class

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

20...250 AC (47...63 Hz)

II

no

normally closed

< 8.5

8

< 2

200; 250 (...50 °C)

î: 0.9 A (20 ms / 0.5 Hz)

no

no

25

2

2 ± 10 %

0...1.6

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

1...15

-10...10

-25...80

IP 67

EN 60947-5-2

EN 55011: class B

932

flush mountable

brass white bronze coated; PBT

0.113

yellow

# IF0006 - Inductive sensor - eclass: 27270101 / 27-27-01-01

|   |   |
|---|---|
| Connection  | PVC cable / 2 m; 2 x 0.5 mm <sup>2</sup>                                    |
| <b>Wiring</b><br>Core colors<br>BN brown<br>BU blue                     |   |
|   |   |
| Note: miniature fuse to IEC60127-2 sheet 1,<br>$\leq 2$ A (fast acting) |   |
| Accessories   |   |
| Accessories (included)  | 2 lock nuts   |
| Remarks   |   |
| Remarks   | Recommendation: check the unit for reliable function after a short circuit. |
| Pack quantity   | 1   |