

Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 4 mm; [nf] non-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 open

< 8.5

8

< 2

200; 250 (...50 °C)

î: 0.9 A (20 ms / 0.5 Hz)

no

no

25

4

4 ± 10 %

0...3.25

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

non-flush mountable

stainless steel 316Ti / 1.4571; PBT (Pocan) uncolored

0.114

yellow

**IF0187 - Inductive sensor - eclass: 27270101 / 27-27-01-01**

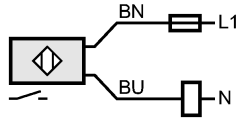
Connection	PVC cable / 2 m; 2 x 0.5 mm <sup>2</sup>
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**Wiring**

Core colors

BN brown

BU blue



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

Accessories	
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Accessories (included)	2 lock nuts
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Remarks	
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Remarks	Recommendation: check the unit for reliable function after a short circuit.
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Pack quantity	[piece]	1
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