

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Connector

Gold-plated contacts

Sensing range 15 mm; [f] flush mountable

Electrical data

Electrical design

AC/DC

Operating voltage [V]

20...140 AC/DC

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 6.5 AC / < 6 DC

Minimum load current [mA]

5

Leakage current [mA]

< 1

**Current rating**

- Current rating (continuous) [mA]

200; for UL application: 100 AC / 100 DC

- Current rating (peak) [mA]

$\hat{i}$ : 1.2 A (20 ms / 0.5 Hz) \*\*

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

25

Range

Sensing range [mm]

15

Operating distance [mm]

0...12.1

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2

Hysteresis [% of Sr]

1...20

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD: 4 kV CD / 8 kV AD  
 EN 61000-4-3 HF radiated: 10 V/m  
 EN 61000-4-4 Burst: 2 kV  
 EN 61000-4-5 Surge: 1 kV (line to line, Ri: 20Ohm)  
 EN 61000-4-6 HF conducted: 10 V  
 EN 55011: class B

MTTF [Years]

398

Mechanical data

Mounting

flush mountable

Housing materials

housing: Brass white bronze coated; active face: PBT

Weight [kg]

0.136

Displays / operating elements

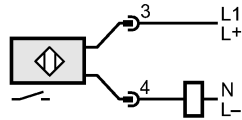
# II0366 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication	LED	red (4 x 90°)
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Electrical connection		
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Connection		M12 connector; Gold-plated contacts
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## Wiring



Accessories		
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Accessories (included)		2 lock nuts
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Remarks		
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Remarks		** ) for UL application: $\hat{i}$ : 0.9 A (20 ms / 0.5 Hz)
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Pack quantity	[piece]	1
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