

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Connector

Sensing range 10 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]

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

AC/DC

20...250 AC/DC

II

yes

normally open

< 6.5

5

< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)

100 AC / 100 DC; 350 AC (...50 °C)

î: 2.2 A (20 ms / 0.5 Hz)

no

yes

25 AC / 50 DC

10

10 ± 10 %

0...8.1

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

3...15

-10...10

-25...80

IP 67

EN 60947-5-2

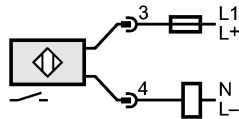
EN 55011: class B

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II0282 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Mounting	flush mountable
Housing materials	stainless steel 316Ti / 1.4571; PBT (Pocan) uncoloured
Weight [kg]	0.173
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	M18 connector

Wiring



Note: miniature fuse to IEC60127-2 sheet 1,
 ≤ 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 [piece]	1