

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Quick disconnect

gold-plated contacts

Sensing range 14 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 protection

Overload protection

Switching frequency [Hz]

Monitoring range

Sensing range [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Reaction times

Power-on delay time [s]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

AC/DC

20...140 AC/DC

II

yes

normally open

< 5.5

5

< 1

80; 200 (...80 °C)

î: 1.2 A (20ms / 0.5Hz) / 80 mA (> 80°C)

yes (non-latching)

yes

25 AC / 100 DC

14

0...11.34

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

2 ... 15

1

0...100

IP 68 / IP 69K; "COP"

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 61000-4-6 HF conducted: 10 V

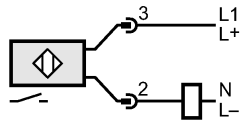
EN 55011: class B

380

IIT001 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Mounting	flush mountable
Housing materials	housing: stainless steel (316L); active face: PEEK (polyether ether ketone); lock nuts: stainless steel (316L)
Weight [kg]	0.149
Displays / operating elements	
Output status indication LED	yellow (4 x 90°)
Electrical connection	
Connection	1/2" UNF-Connector; gold-plated contacts

Wiring



Accessories	
Accessories (included)	2 lock nuts
Remarks	
Pack quantity [piece]	1