

Product characteristics

Inductive sensor

Plastic housing Ø 34 mm

Terminals

Sensing range 20 mm; [nfl] 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

AC/DC

20...250 AC/DC

II

no

normally open / closed programmable

< 6.5 AC / < 6 DC

5

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

250 AC / 100 DC; 350 AC (...50 °C)

î: 2.2 A (20 ms / 0.5 Hz)

no

no

25 AC / 50 DC

20

20 ± 10 %

0...16.2

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

3...15

-10...10

-25...80

IP 65

EN 60947-5-2

EN 55011: class B

610

non-flush mountable

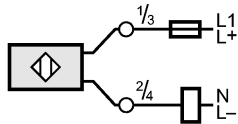
PBT; end cap: polycarbonate

0.175

IB0072 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication	LED	red
Electrical connection		
Connection	terminals up to 2.5 mm ² ; cable diameter 7...13 mm, cable gland M20 x 1.5	

Wiring



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

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