

Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 2 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]

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

AC/DC

20...140 AC / 10...140 DC (45...65 Hz AC)

II

no

normally open

< 7

5

< 0.8

200

î: 0.9 A (20 ms / 0.5 Hz)

no

no

25

2

2 ± 10 %

0...1.6

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

2006

flush mountable

PBT

**IS0003 - Inductive sensor - eclass: 27270101 / 27-27-01-01**

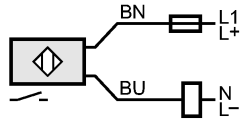
Tightening torque	[Nm]	≤ 0.5 (with washer)
Weight	[kg]	0.046
Displays / operating elements		
Output status indication	LED	red
Electrical connection		
Connection		PUR cable / 2 m; 2 x 0.14 mm <sup>2</sup>

**Wiring**

Core colors

BN brown

BU blue



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

Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	[piece] 1