

Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC; "supply class 2" to cULus.

Current consumption [mA]

15 (24 V)

Protection class

III

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 1

Current rating [mA]

200

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

800

Range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.6

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...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

3004

Mechanical data

Mounting

flush mountable

Housing materials

PBT

Tightening torque [Nm]

< 0.5 (with washer)

Weight [kg]

0.043

Displays / operating elements

IS5001 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication LED | yellow

Electrical connection

Connection | PVC cable / 2 m; 3 x 0.14 mm²

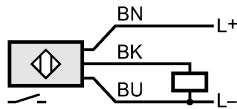
Wiring

Core colours

BN brown

BU blue

BK black



Remarks

Pack quantity [piece] | 1