

Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

2000

Monitoring range

Sensing range [mm]

4

Real sensing range (Sr) [mm]

4 ± 10 %

Operating distance [mm]

0...3.25

Accuracy / deviations

Hysteresis [% of Sr]

1...15

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

2122

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT

Tightening torque [Nm]

≤ 0.5 (with washer)

Weight [kg]

0.045

Displays / operating elements

Output status indication LED

yellow

Electrical connection

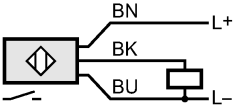
Connection

PVC cable / 2 m; 3 x 0.14 mm²

IS5070 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Wiring

Core colors
BN brown
BU blue
BK black



Remarks

Pack quantity [piece] 1