

Product characteristics

Inductive sensor

Plastic housing Ø 34 mm

Cable

Sensing range 27 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

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 3

Current rating

- Current rating (continuous) [mA]

250

- Current rating (peak) [mA]

400

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

20

Monitoring range

Sensing range [mm]

27

Real sensing range (Sr) [mm]

27 ± 10 %

Operating distance [mm]

0...21.87

Accuracy / deviations

Correction factors

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

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-30...50

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

1158

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT

Weight [kg]

0.254

Displays / operating elements

Output status indication LED

red

Electrical connection

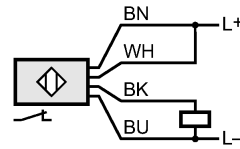
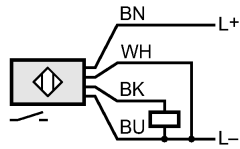
IB5163 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Connection PVC cable / 2 m; 4 x 0.34 mm²

Wiring

Core colors

BK black
 BN brown
 BU blue
 WH white



Accessories

Accessories (included) Mounting clamp

Remarks

Remarks Reprogramming enables to monitor the output of the switch in the monitor mode.
 Note: The switch holds no approval as a safety switch!

Pack quantity [piece] 1