

Product characteristics

Inductive sensor

Plastic housing Ø 34 mm

Connector

Sensing range 20 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]

< 2.5

Current rating [mA]

250

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

350

Range

Sensing range [mm]

20

Real sensing range (Sr) [mm]

20 ± 10 %

Operating distance [mm]

0...16.2

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

2450

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT; end cap: polycarbonate

Weight [kg]

0.186

# IB5162 - Inductive sensor - eclass: 27270101 / 27-27-01-01

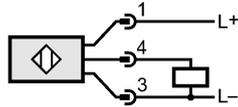
Displays / operating elements

Output status indication LED | yellow

Electrical connection

Connection | M12 connector

## Wiring



Accessories

Accessories (included) | Mounting clamp

Remarks

Pack quantity [piece] | 1