

## 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

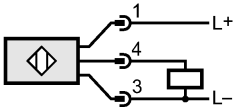
Housing materials

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
<b>Wiring</b>	
<div><div><div>2</div><div>1</div><div>3</div><div>4</div></div><div></div></div>	
Accessories	
Accessories (included)	Mounting clamp
Remarks	
Pack quantity	[piece]   1