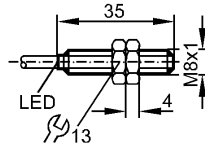


IEB3001-BPKG RT

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M8 x 1

Cable

Sensing range 1 mm; [f] 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]

< 1.6

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

2000

Monitoring range

Sensing range [mm]

1

Real sensing range (Sr) [mm]

1 ± 10 %

Operating distance [mm]

0...0.8

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]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

3502

Mechanical data

Mounting

flush mountable

Housing materials

brass nickel-plated; PBT

Weight [kg]

0.05

Displays / operating elements

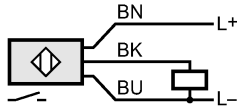
# IE5267 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication	LED	red
Electrical connection		
Connection		PVC cable / 2 m; 3 x 0.14 mm <sup>2</sup>

## Wiring

Core colors

BK black  
BN brown  
BU blue



Accessories		
Accessories (included)		2 lock nuts
Remarks		
Remarks		voltage supply to EN50178, SELV, PELV
Pack quantity	[piece]	1