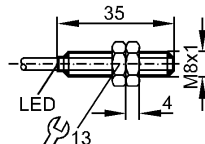


IEB3001-BPKG RT

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

pulsed

Overload protection

yes

Switching frequency [Hz]

2000

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 / Al approx. 0.4 / Cu 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

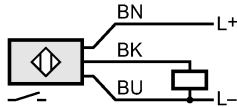
IE5267 - Inductive sensor - eclass: 27270101 / 27-27-01-01

| | | |
|--------------------------|-----|---|
| Output status indication | LED | Red |
| Electrical connection | | |
| Connection | | PVC cable / 2 m; 3 x 0.14 mm ² |

Wiring

Core colours

BK black
BN brown
BU blue



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