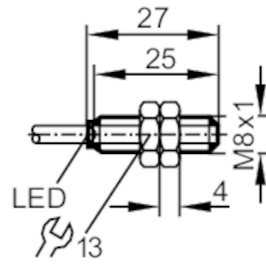


# IE5368



## Inductive sensor

IEB3002BBPKG/V4A/2M



### Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 27

### Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes

### Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

### Detection zone

Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.62

### Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

# IE5368



## Inductive sensor

IEB3002BBPKG/V4A/2M

### Operating conditions

Ambient temperature	[°C]	-20...70
Protection		IP 67

### Tests / approvals

EMC		EN 60947-5-2	
MTTF	[years]		3408
UL approval	Ta		-20...70 °C
	Enclosure type		Type 1
	voltage supply		Class 2
	File number UL		E174191

### Mechanical data

Weight	[g]	45.2
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 27
Thread designation		M8 x 1
Materials		stainless steel; sensing face: LCP

### Displays / operating elements

Display	switching status	1 x LED, yellow
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### Accessories

Accessories (supplied)	lock nuts: 2
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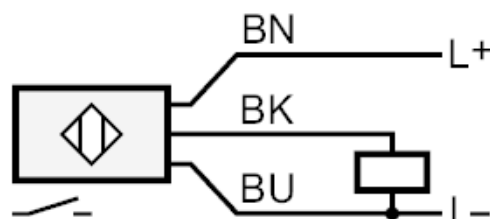
### Remarks

Pack quantity	1 pcs.
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### Electrical connection

Cable: 2 m, PUR; 3 x 0.14 mm<sup>2</sup>

### Connection



Core colours :

- BK = black
- BN = brown
- BU = blue