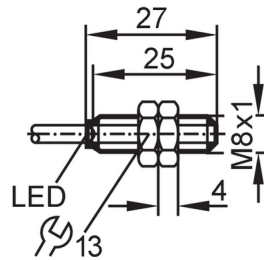


# IE5368



## 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	yes (non-latching)
Overload protection	yes

Monitoring range	
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 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

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

# IE5368



## Inductive sensor

IEB3002BBPKG/V4A/2M

### 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]	46.2
Housing	Threaded type
Mounting	flush mountable
Dimensions [mm]	M8 x 1 / L = 27
Thread designation	M8 x 1
Material	stainless steel; sensing face: LCP

### Displays / operating elements

Display	Switching status	1 x LED, yellow
---------	------------------	-----------------

### Accessories

Items supplied	lock nuts: 2
----------------	--------------

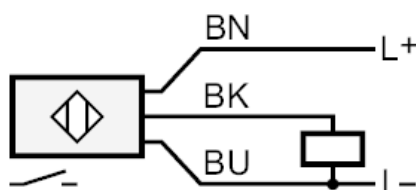
### Remarks

Pack quantity	1 pcs.
---------------	--------

### Electrical connection

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

### Connection



Core colors :  
BK = black  
BN = brown  
BU = blue