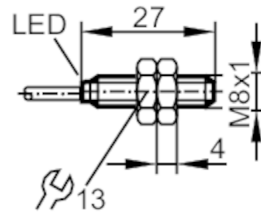


# IE5399



## Inductive sensor

IEB3002BBPKG/V4A/8M



### 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; (; to PELV)
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 $S_r$ [mm]	$2 \pm 10\%$
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 $S_r$ ]	1...15
Switch point drift [% of $S_r$ ]	-10...10

### Operating conditions

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

# IE5399



## Inductive sensor

IEB3002BBPKG/V4A/8M

Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	3408	
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	power supply	Class 2
	File number UL	E174191

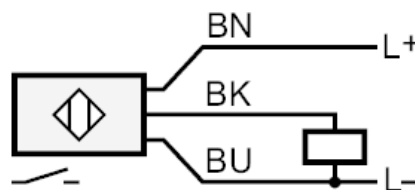
Mechanical data	
Weight [g]	158.6
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M8 x 1 / L = 27
Thread designation	M8 x 1
Materials	stainless steel; sensing face: LCP

Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 8 m, PUR; 3 x 0.14 mm <sup>2</sup>	
Connection	



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