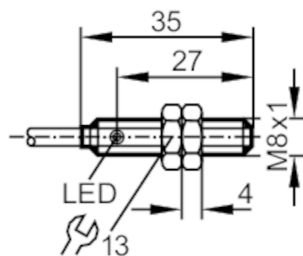


# IE5086



## Inductive sensor

IEB3001-BNOG



### Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		no

### Outputs

Electrical design		NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	1
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	750
Notes on switching frequency		1000 nb
Short-circuit protection		no
Overload protection		no

### Detection zone

Sensing range	[mm]	1
Real sensing range Sr	[mm]	1 ± 10 %
Operating distance	[mm]	0...0.8

### Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

### Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

### Tests / approvals

EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	5515	

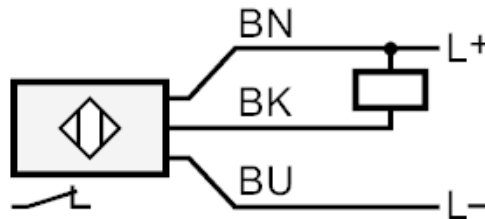
# IE5086



## Inductive sensor

IEB3001-BNOG

Mechanical data		
Weight	[g]	51.2
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 35
Thread designation		M8 x 1
Materials		brass white bronze coated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.14 mm <sup>2</sup>		
Connection		



Core colours :

BN = brown  
BU = blue  
BK = black