

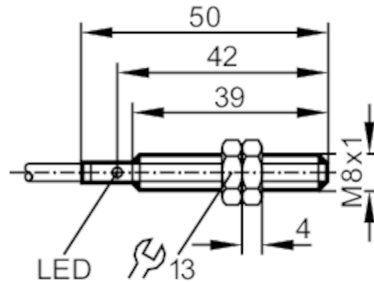
# IE5158



## Inductive sensor

IE-3001-BPOG/10M

Article no longer available - archive entry



### Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	1
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 50

### Electrical data

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

### Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	1
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	1000
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

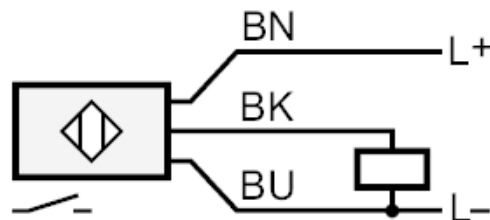
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## Inductive sensor

IE-3001-BPOG/10M

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	2737	
Mechanical data		
Housing	threaded type	
Mounting	flush mountable	
Dimensions [mm]	M8 x 1 / L = 50	
Thread designation	M8 x 1	
Materials	PBT	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 10 m, PVC; 3 x 0.14 mm <sup>2</sup>		
Connection		



Core colours :

BN = brown  
BU = blue  
BK = black