

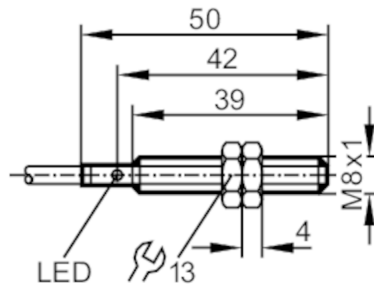
IE5159



Inductive sensor

IE-3001-BPOG/20m

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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

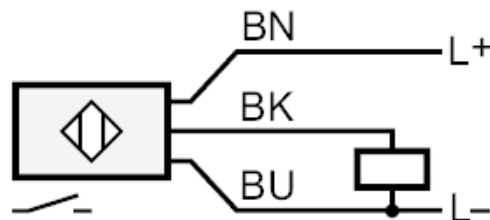
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Tests / approvals		
EMC	EN 60947-5-2 EN 55011	class B
MTTF [years]	2737	
Mechanical data		
Housing	threaded type	
Mounting	flush mountable	
Dimensions [mm]	M8 x 1 / L = 50	
Thread designation	M8 x 1	
Materials	PBT	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 20 m, PVC; 3 x 0.14 mm ²		
Connection		



Core colours :

BN = brown
BU = blue
BK = black

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