

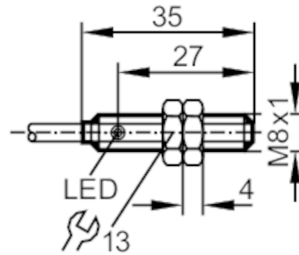
IE5112



Inductive sensor

IEC3002-BNOG/6M

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Product characteristics

Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	2
Housing		Threaded type
Dimensions	[mm]	M8 x 1 / L = 35

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]	800
Short-circuit protection		no
Overload protection		no

Monitoring range

Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 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

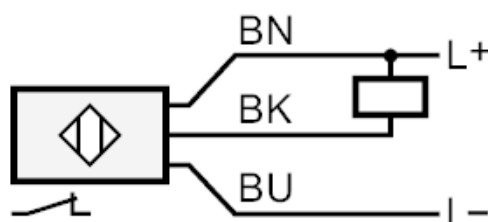
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Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	5541	
Mechanical data		
Housing	Threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M8 x 1 / L = 35	
Thread designation	M8 x 1	
Material	PBT	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 6 m, PVC; 3 x 0.14 mm ²		
Connection		



Core colors :

BN = brown
BU = blue
BK = black

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