

Inductive sensor

IE-3001-BNOG/ 6m

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Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	1
Housing	threaded type
Dimensions [mm]	M8 x 1

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 7
Protection class	II
Reverse polarity protection	no

Outputs

Electrical design	NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	1.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000
Short-circuit protection	no
Overload protection	no

Detection zone

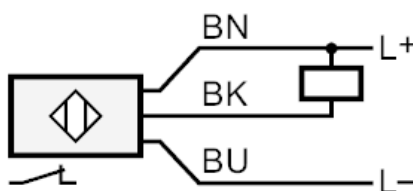
Sensing range [mm]	1
Real sensing range S_r [mm]	$1 \pm 10 \%$
Operating distance [mm]	0...0.8



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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
Mechanical data		
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1
Thread designation		M8 x 1
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 6 m, PVC; 3 x 0.14 mm ²		
Connection		



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