

Inductive sensor

IE-3001-BNOG

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Alternative articles: IE5124

When selecting an alternative article and accessories please note that technical data may differ!



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
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Inductive sensor

IE-3001-BNOG

Real sensing range S_r	[mm]	$1 \pm 10 \%$
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 S_r]	1...15
Switch point drift	[% of S_r]	-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
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Accessories

Items supplied	lock nuts: 2
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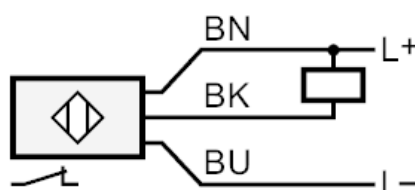
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.14 mm²

Connection



Core colours :

BN = brown

BU = blue

BK = black