

Inductive sensor

IE-3001-BPOG/10m

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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

Electrical data

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

Outputs

Electrical design	PNP
Output function	normally open
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

IE5057



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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
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Accessories

Items supplied		lock nuts: 2
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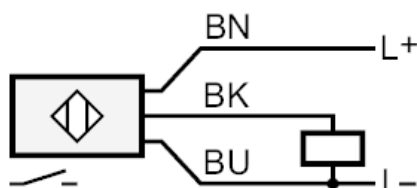
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 10 m, PVC; 3 x 0.14 mm²

Connection



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