

IN5271

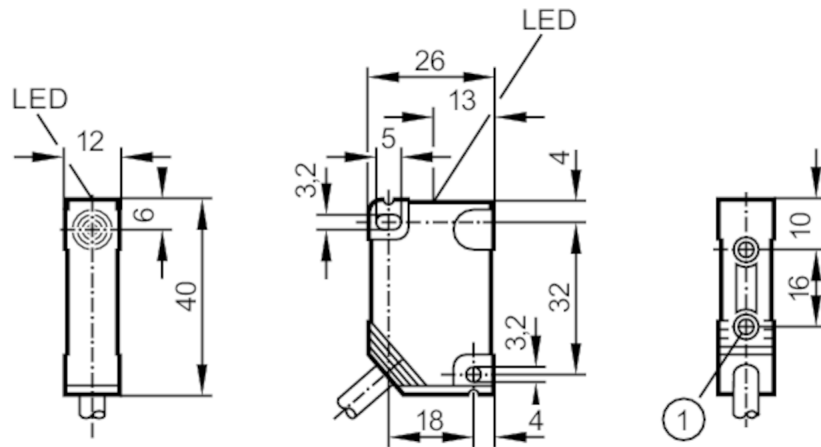


Inductive sensor

IN-2004-ARKG

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- 1 threaded bush M3 Depth 5.8 mm
Tightening torque maximum 1.2 Nm screw fixing class 8.8
when brass insert in contact with counterpart

Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	4
Housing		rectangular
Dimensions	[mm]	40 x 12 x 26

Electrical data

Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	4
Minimum load current	[mA]	5
Max. leakage current	[mA]	1 (36 V)
Short-time current rating of switching output	[mA]	2000; (only for mounting on a solid metal plate or cooling plate: 150 x 50 x 2 mm; Intermittent operation with a max. switch-on time of the load current of 4 s. ; After that a min. switch-off time of the load current of 2 s has to be kept.)
Switching frequency DC	[Hz]	70

Detection zone

Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25

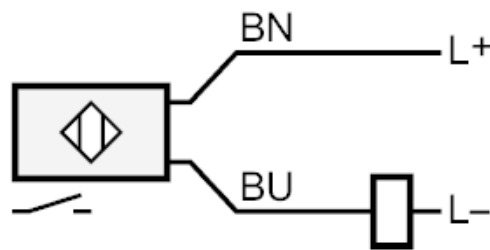
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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.9 / brass: 0.8 / aluminium: 0.5 / copper: 0.4
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Mechanical data		
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 12 x 26
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR; 2 x 0.5 mm ²		
Connection		



Core colours :

BN = brown
BU = blue

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