

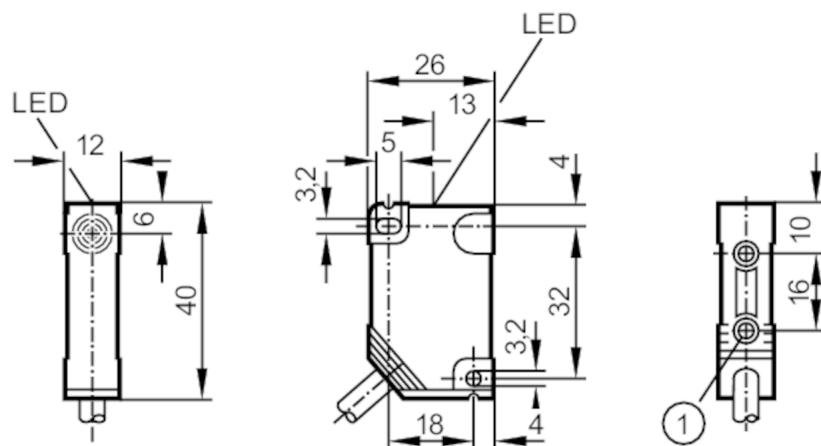
Inductive sensor

IN-2004-ARKG

Article no longer available - archive entry

Alternative articles: IN5281

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



- 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 S_r [mm]	$4 \pm 10 \%$
Operating distance [mm]	0...3.25

IN5271



Inductive sensor

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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
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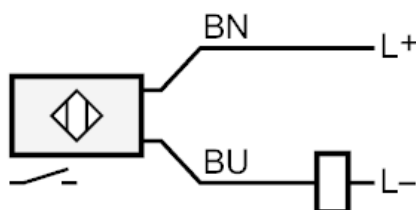
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PUR; 2 x 0.5 mm²

Connection



BN = Core colours :
brown
BU = blue