

IN5271



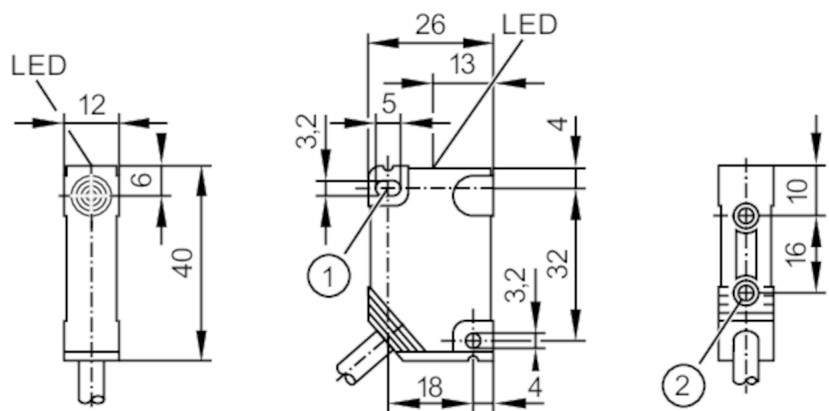
Inductive sensor

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 mounting hole
2 threaded bush M3 Depth 5.8 mm

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

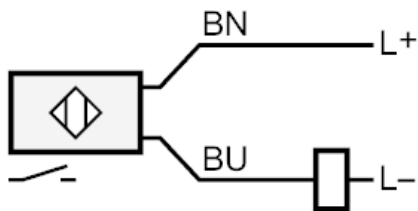
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Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.9 / brass: 0.8 / aluminium: 0.5 / copper: 0.4	
Hysteresis	[% of Sr]	3...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		°C	-25...80
Protection		IP 67	
Mechanical data			
Housing		rectangular	
Mounting		non-flush mountable	
Dimensions	[mm]	40 x 12 x 26	
Materials		PBT	
Mounting hole			
Tightening torque		[Nm]	< 0.5
Threaded bush			
Tightening torque		[Nm]	< 1.2; (when brass insert in contact with counterpart)
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 mm²			
Connection			



BN = Core colours : brown
BU = blue