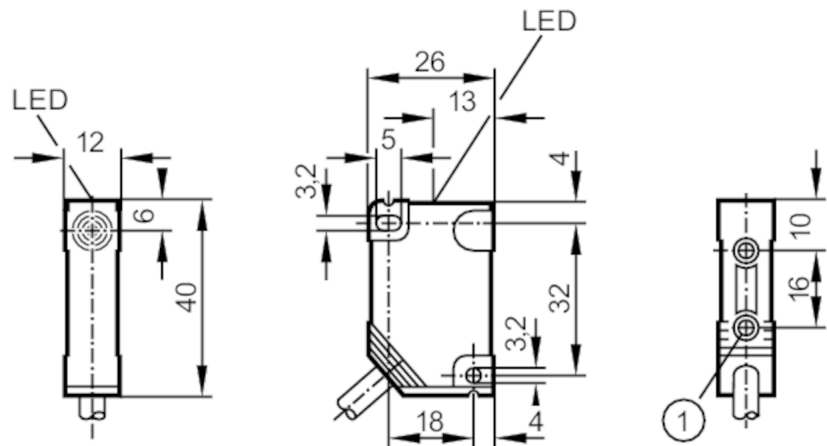


IN5281



Inductive sensor

IN-2004-ARKG/2A/3M



- 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

Application

Special feature	Halogen-free
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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
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



Inductive sensor

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Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis [% of Sr]		1...15
Switch point drift [% of Sr]		-10...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

Tests / approvals

MTTF [years]	874
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Mechanical data

Weight [g]	143
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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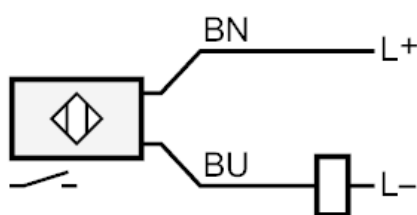
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 3 m, PUR, Halogen-free; 2 x 0.5 mm²

Connection



BN = Core colours :
brown
BU = blue