



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



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

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

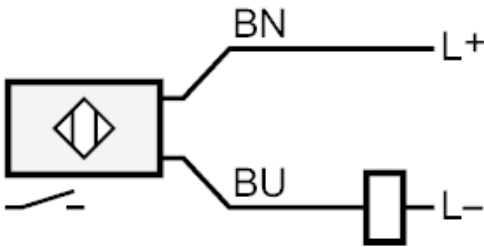
IN5281



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Tests / approvals		
MTTF	[years]	418
Mechanical data		
Weight	[g]	144.6
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: 3 m, PUR, Halogen-free; 2 x 0.5 mm ²		
Connection		



	Core colours :
BN =	brown
BU =	blue