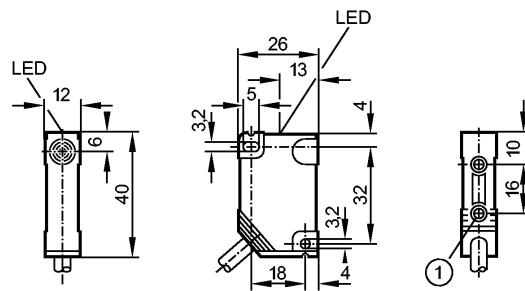


IN5133

IN-3004-ANKG

Inductive sensors



1: threaded insert M3, depth 5.8 mm, max. tightening torque 1.2 Nm (screw fixing class 8.8) when brass insert in contact with counterpart.


Product characteristics

Inductive sensor	
Rectangular, plastics	
Cable	
Sensing range 4 mm; [nf] non-flush mountable	

Electrical data

Electrical design	DC NPN
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	1300

Monitoring range

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

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Environment

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

Tests / approvals

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	1781

IN5133

IN-3004-ANKG

Inductive sensors

Mechanical data

Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.111

Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	PVC cable / 2 m; 3 x 0.5 mm²
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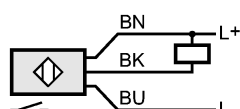
Wiring

Core colors

BN brown

BU blue

BK black



Remarks

Pack quantity	[piece]	1
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