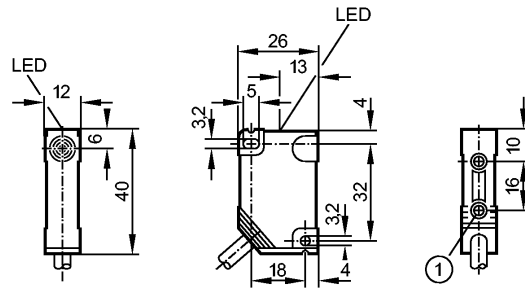


IN5129

IN-3004-BPKG

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 PNP
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]		1925

IN5129

IN-3004-BPKG

Inductive sensors

Mechanical data

Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.11

Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

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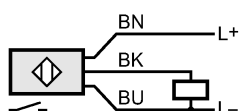
Wiring

Core colors

BN brown

BU blue

BK black



Remarks

Pack quantity	[piece]	1
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