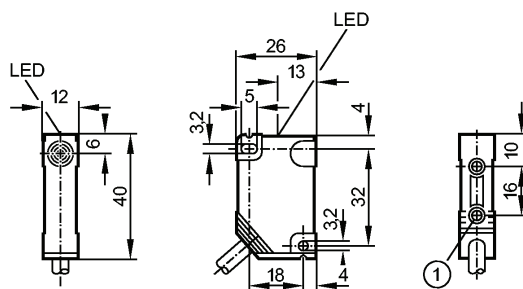


**IN5129**

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		pulsed
Overload protection		yes
Switching frequency [Hz]		1300
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 / Al approx. 0.3 / Cu 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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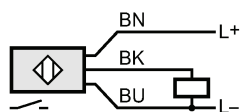
**Electrical connection**

Connection	PVC cable / 2 m; 3 x 0.5 mm <sup>2</sup>
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**Wiring**

Core colours

- BN brown
- BU blue
- BK black



**Remarks**

Pack quantity	[piece]	1
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