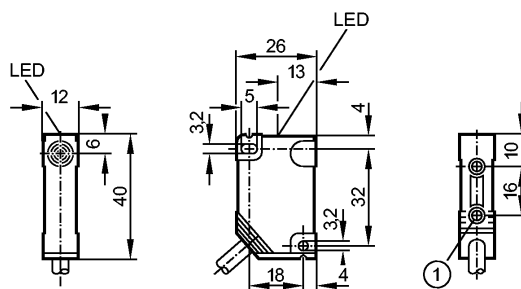


**IN5121**

IN-3002-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 2 mm; [f] 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]	1400

**Monitoring range**

Sensing range	[mm]	2
Real sensing range (Sr)	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6

**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
MTTF	[Years]	2577

**Mechanical data**

## IN5121

IN-3002-BPKG

Inductive sensors

Mounting	flush mountable
Housing materials	PBT
Weight [kg]	0.111

### Displays / operating elements

Output status indication	LED	yellow
--------------------------	-----	--------

### Electrical connection

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

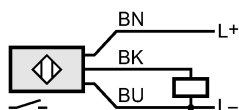
### Wiring

Core colors

BN brown

BU blue

BK black



### Remarks

Pack quantity	[piece]	1
---------------	---------	---