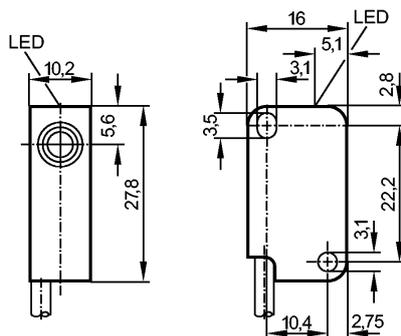


**IS5001**

IS-3002-BPOG

Inductive sensors



Made in Germany



**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	III
Reverse polarity protection	no

**Outputs**

Output function	normally open
Voltage drop [V]	< 1
Current rating [mA]	200
Short-circuit protection	no
Overload protection	no
Switching frequency [Hz]	800

**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 / 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]	3044

**Mechanical data**

## IS5001

IS-3002-BPOG

Inductive sensors

Mounting	flush mountable
Housing materials	PBT
Weight [kg]	0.043

### Displays / operating elements

Output status indication	LED	yellow
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### Electrical connection

Connection	PVC cable / 2 m; 3 x 0.14 mm <sup>2</sup>
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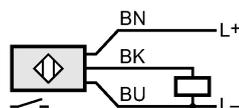
### Wiring

Core colours

BN brown

BU blue

BK black



### Remarks

Remarks	cULus - Class 2 source required max. tightening torque 0.5 Nm with washer
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Pack quantity [piece]	1
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