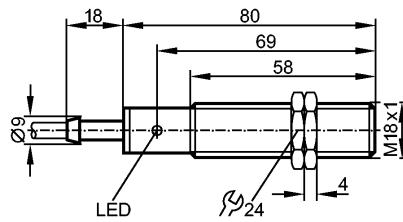


**IG5399**

IG-3005-BPKG

Inductive sensors



**Product characteristics**

Inductive sensor
Plastic thread M18 x 1
Cable
Sensing range 5 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]	500

**Monitoring range**

Sensing range [mm]	5
Real sensing range (Sr) [mm]	5 ± 10 %
Operating distance [mm]	0...4.05

**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]	1884

**Mechanical data**

Mounting	flush mountable
Housing materials	PBT
Weight [kg]	0.125

**Displays / operating elements**

**IG5399**

IG-3005-BPKG

**Inductive sensors**

Output status indication	LED	yellow
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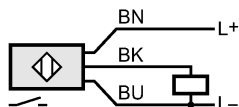
**Electrical connection**

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

Core colors

- BN brown
- BU blue
- BK black



**Accessories**

Accessories (included)	2 lock nuts
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**Remarks**

Pack quantity	[piece]	1
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