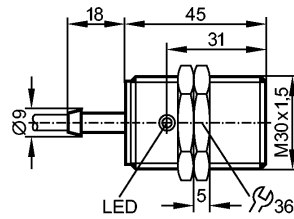


**I15166**

IIB3010-BPKG

Inductive sensors



**Product characteristics**

Inductive sensor
Metal thread M30 x 1.5
Cable
Sensing range 10 mm; [f] flush mountable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	18...36 DC
Current consumption [mA]	15 (24 V)
Protection class	III
Reverse polarity protection	yes

**Outputs**

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	125; 150 (...50 °C)
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	300

**Monitoring range**

Sensing range [mm]	10
Real sensing range (Sr) [mm]	10 ± 10 %
Operating distance [mm]	0...8.1

**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]	2279

**Mechanical data**

Mounting	flush mountable
Housing materials	brass nickel-plated; active face: PBT
Weight [kg]	0.218

**Displays / operating elements**

**I15166**

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**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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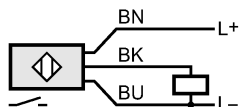
**Wiring**

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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