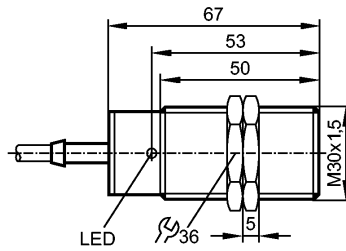


**II5800**

IIA4010ZCPKG/6M/BH

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]	10...36 DC
Current consumption [mA]	< 15
Protection class	II
Reverse polarity protection	yes

**Outputs**

Output function	complementary
Voltage drop [V]	< 2.5
Current rating [mA]	100; 250 (...80 °C)
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	400

**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. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

**Environment**

Ambient temperature [°C]	-25...100
Protection	IP 67

**Tests / approvals**

EMC	EN 60947-5-2
MTTF [Years]	1365

**Mechanical data**

## II5800

IIA4010ZCPKG/6M/BH

Inductive sensors

Mounting	flush mountable
Housing materials	brass white bronze coated; PBT
Weight [kg]	0.371

### Displays / operating elements

Output status indication	LED	yellow
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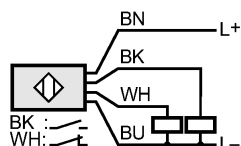
### Electrical connection

Connection	PUR cable / 6 m; 4 x 0.34 mm <sup>2</sup> ; halogen-free
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### Wiring

Core colors

- BK black
- BN brown
- BU blue
- WH white



### Accessories

Accessories (included)	2 lock nuts
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### Remarks

Pack quantity [piece]	1
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