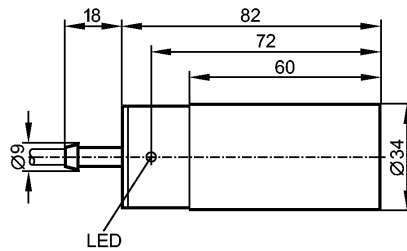


**IB5096**

IB-3020-BPKG

Inductive sensors



**Product characteristics**

Inductive sensor	
Plastic housing Ø 34 mm	
Cable	
Sensing range 20 mm; [nf] non-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		pulsed
Overload protection		yes
Switching frequency [Hz]		60

**Range**

Sensing range [mm]		20
Real sensing range (Sr) [mm]		20 ± 10 %
Operating distance [mm]		0...16.2

**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
MTTF [Years]		1853

**Mechanical data**

Mounting		non-flush mountable
Housing materials		PBT
Weight [kg]		0.26

## IB5096

IB-3020-BPKG

Inductive sensors

### Displays / operating elements

Output status indication      LED      yellow

### Electrical connection

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

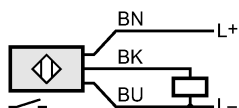
### Wiring

Core colours

BN      brown

BU      blue

BK      black



### Accessories

Accessories (included)      Mounting clamp; 2 socket head screws

### Remarks

Pack quantity      [piece]      1