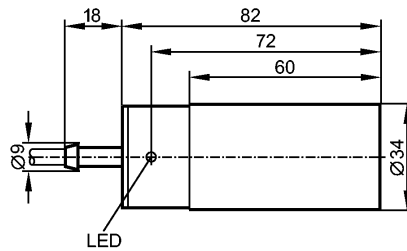


IB5096

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
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Electrical connection

Connection	PVC cable / 2 m; 3 x 0.5 mm ²
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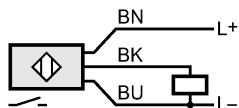
Wiring

Core colours

BN brown

BU blue

BK black



Accessories

Accessories (included)	Mounting clamp; 2 socket head screws
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Remarks

Pack quantity	[piece]	1
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