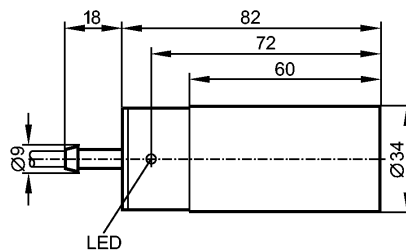


**IB5138**

IB-3020-BPKG/55V

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...55 DC
Current consumption [mA]	5 (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]	60

**Monitoring 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 / 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 EN 55011: class B
MTTF [Years]	1719

**Mechanical data**

Mounting	non-flush mountable
Housing materials	PBT

# IB5138

IB-3020-BPKG/55V

Inductive sensors

Weight	[kg]	0.252
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## Displays / operating elements

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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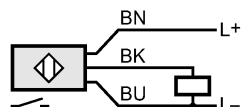
### Wiring

Core colors

BN brown

BU blue

BK black



## Accessories

Accessories (included)	Mounting clamp
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## Remarks

Pack quantity	[piece]	1
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