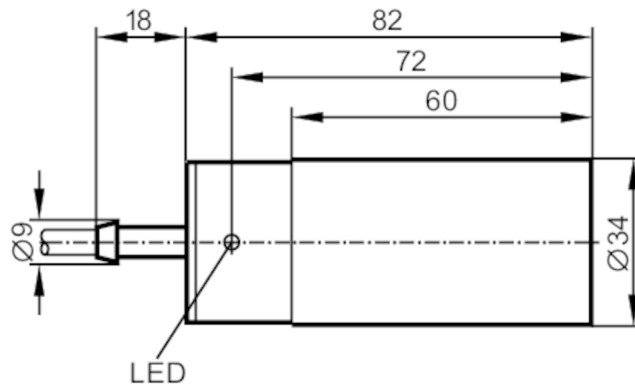


# IB5072



## Inductive sensor

IB-3020-ANKG



### Product characteristics

Electrical design		NPN
Output function		normally open
Sensing range	[mm]	20
Housing		cylindrical
Dimensions	[mm]	Ø 34 / L = 82

### Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes

### Outputs

Electrical design		NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	60
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

### Detection zone

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

### Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15

# IB5072



## Inductive sensor

IB-3020-ANKG

Switch point drift	[% of Sr]	-10...10
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### Operating conditions

Ambient temperature	[°C]	-25...80
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Protection		IP 67
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### Tests / approvals

EMC		EN 60947-5-2
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MTTF	[years]	1076
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### Mechanical data

Weight	[g]	264.5
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Housing		cylindrical
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Mounting		non-flush mountable
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Dimensions	[mm]	Ø 34 / L = 82
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Materials		PBT
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### Displays / operating elements

Display	switching status	1 x LED, yellow
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### Accessories

Items supplied		Mounting clamps: 1
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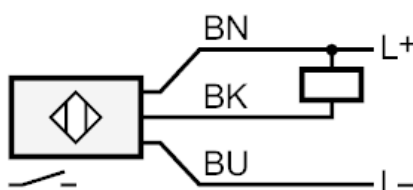
### Remarks

Pack quantity		1 pcs.
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### Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



Core colours :  
BN = brown  
BU = blue  
BK = black