



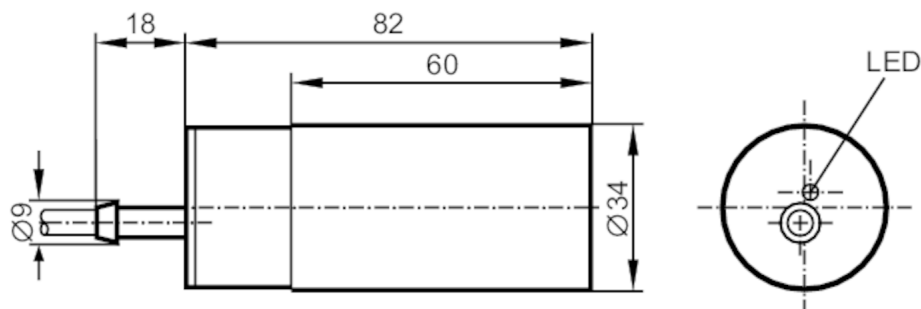
Inductive sensor

IB-3020-ANOG

Article no longer available - archive entry

Alternative articles: IB5072

When selecting an alternative article and accessories please note that technical data may differ!



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...30 DC
Current consumption [mA]	7; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	NPN
Output function	normally open
Max. voltage drop switching output DC [V]	1.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	40
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: 0.4 / copper: 0.3
Hysteresis [% of Sr]	1...15

IB5001



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

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34 / L = 82
Materials		PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied		Mounting clamps: 1
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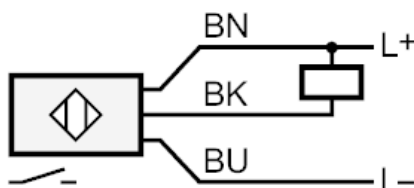
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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