



Inductive sensor

IB-3020GANOG

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Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	20
Housing	tubular
Dimensions [mm]	Ø 34

Electrical data

Operating voltage [V]	20...72 DC
Current consumption [mA]	8.5; (60 V)
Reverse polarity protection	no

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]	30
Short-circuit protection	no
Overload protection	no

Monitoring range

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

IB5024



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Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.85 / brass: 0.54 / aluminum: 0.5 / copper: 0.46
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Housing		tubular
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34
Material		PBT

Accessories

Items supplied		Mounting clamp: 1
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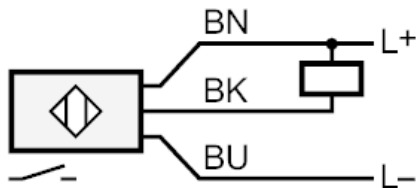
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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