

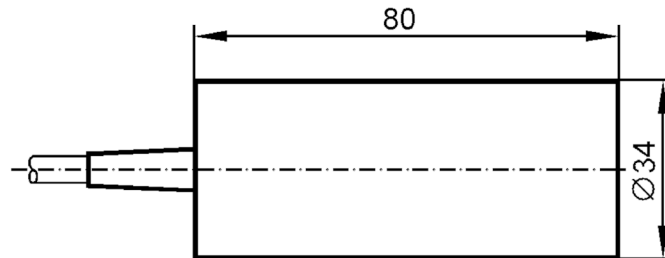
IB5024



Inductive sensor

IB-3020GANOG

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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

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: 0.85 / brass: 0.54 / aluminium: 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

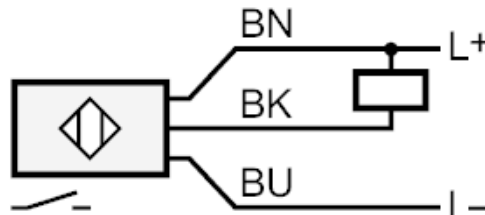
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Tests / approvals	
EMC	EN 60947-5-2
Mechanical data	
Housing	cylindrical
Mounting	non-flush mountable
Dimensions [mm]	Ø 34
Materials	PBT
Accessories	
Accessories (supplied)	Mounting clamps: 1
Remarks	
Pack quantity	1 pcs.
Electrical connection	
Cable: 2 m, PVC; 3 x 0.5 mm ²	
Connection	



Core colours :

BN = brown
BU = blue
BK = black

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