



Inductive sensor

IB-3020GBNOG

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Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	20
Housing	cylindrical
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 closed
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

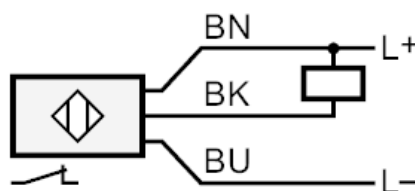
Sensing range [mm]	20
Real sensing range S_r [mm]	$20 \pm 10 \%$
Operating distance [mm]	0...16.2



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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
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 34
Materials		PBT
Accessories		
Items 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