

Inductive sensor

IB-3020GANOG

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Product characteristics

Electrical design	NPN
Output function	normally open
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 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



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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 mm²			
Connection			



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