IA5044

Inductive sensor

IA-3010-BPOG/PPU

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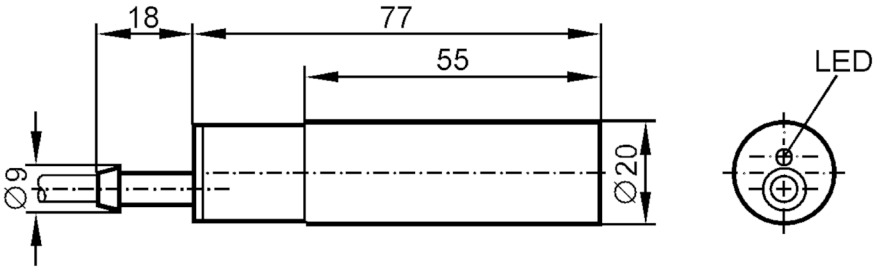

Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	10
Housing		cylindrical
Dimensions	[mm]	Ø 20
Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	7; (24 V)
Protection class		II
Reverse polarity protection		no
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	100
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1

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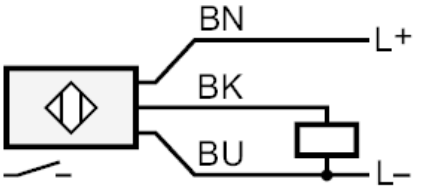
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Housing		cylindrical	
Mounting		non-flush mountable	
Dimensions	[mm]	Ø 20	
Materials		PBT	
Displays / operating elements			
Display		switching status	1 x LED, red
Accessories			
Items supplied		Mounting clamps: 1	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 2 m, PUR / PVC; 3 x 0.5 mm²

Connection



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