IT5029

Inductive sensor

ITB2001-BROG/0,32M/OVERP

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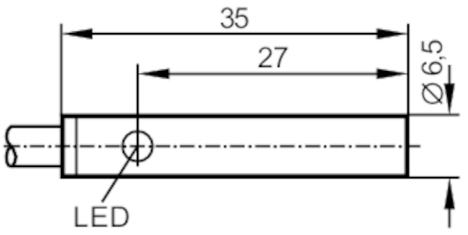

CE

Product characteristics		
Electrical design		PNP/NPN
Output function		normally closed
Sensing range	[mm]	1
Housing		cylindrical
Dimensions	[mm]	Ø 6.5 / L = 35
Electrical data		
Operating voltage	[V]	10...36 DC
Protection class		III
Reverse polarity protection		no
Outputs		
Electrical design		PNP/NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.8
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	900
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	1
Real sensing range Sr	[mm]	1 ± 10 %
Operating distance	[mm]	0...0.8
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

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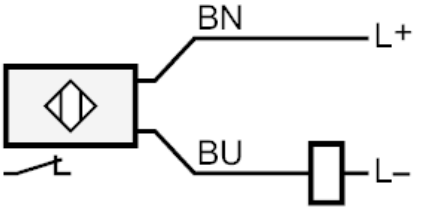
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	5569	
Mechanical data			
Housing		cylindrical	
Mounting		flush mountable	
Dimensions	[mm]	Ø 6.5 / L = 35	
Materials		brass nickel-plated; PBT	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		Mounting clamps: 1	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 0.32 m, PVC; 2 x 0.14 mm²

Connection



Core colours :
BK = black