IF0188

Inductive sensor

IFA2002-BBOW/V4A

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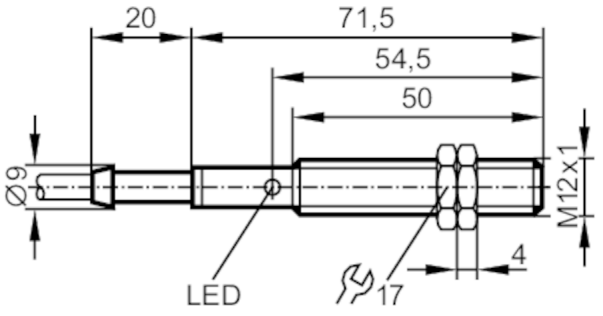

Product characteristics		
Output function		normally closed
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 71.5
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	90...250 AC
Protection class		II
Reverse polarity protection		no
Outputs		
Output function		normally closed
Max. voltage drop switching output AC	[V]	8.5
Minimum load current	[mA]	8
Max. leakage current	[mA]	3 (250 V AC) / 1.5 (120 V AC)
Permanent current rating of switching output AC	[mA]	200; (250 (...50 °C))
Short-time current rating of switching output	[mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
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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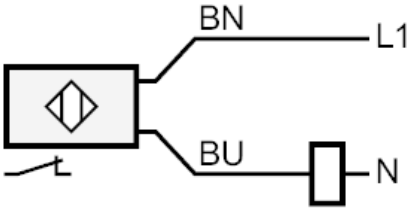
Protection			IP 67
Mechanical data			
Housing			threaded type
Mounting			flush mountable
Dimensions	[mm]		M12 x 1 / L = 71.5
Thread designation			M12 x 1
Materials			stainless steel (316Ti/1.4571); PBT
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied			lock nuts: 2
Remarks			
Pack quantity			1 pcs.
Electrical connection			

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



	Core colours :
BN =	brown
BU =	blue