

Inductive sensor

IF-2002-BBOW/ 6m

Article no longer available - archive entry



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]	20...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]	2
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 proof		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	[X01]	1...15
Switch point drift	[X01]	-10...10

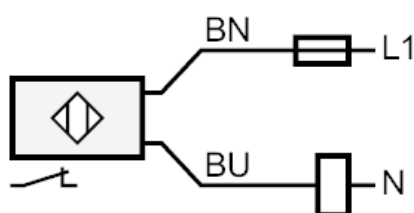
Operating conditions

Ambient temperature	[°C]	-25...80
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Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[ANN]	932
Mechanical data		
Housing	threaded type	
Mounting	flush mountable	
Dimensions	[mm]	M12 x 1 / L = 71.5
Thread designation	M12 x 1	
Materials	PBT	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Аксессуары		
Items supplied	lock nuts: 2	
Remarks		
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.	
Pack quantity	1 pcs.	
Electrical connection		
Cable: 6 m, PVC; 2 x 0.5 mm²		
Connection		

Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting

Core colours :

BN =

brown

BU =

blue