

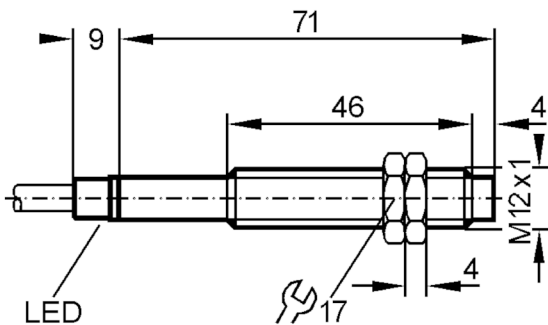
IF4008



Inductive sensor

IFA2004-ABOA/6M

Article no longer available - archive entry



Product characteristics

Output function		normally open
Sensing range	[mm]	4
Housing		threaded type
Dimensions	[mm]	M12 x 1

Electrical data

Operating voltage	[V]	20...140 AC/DC
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output DC	[V]	7.5
Max. voltage drop switching output AC	[V]	8
Minimum load current	[mA]	5
Max. leakage current	[mA]	0.8
Permanent current rating of switching output AC	[mA]	200; (300 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	1500; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	250

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Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...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	threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M12 x 1
Thread designation	M12 x 1	
Materials	PBT; stainless steel (316L/1.4404)	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

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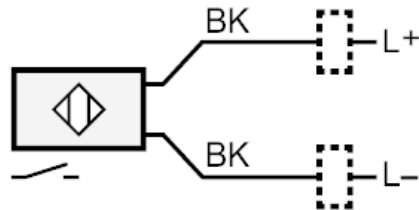
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Electrical connection

Cable: 6 m, PVC; 2 x 0.34 mm²

Connection



BK =

Core colours :
black