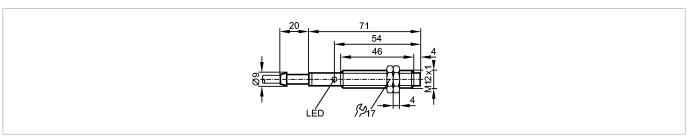
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IF0302

IFA2004-ABOW/RT Inductive sensors





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Product characteristics			
Inductive sensor			
Metal thread M12 x 1			
Cable			
Sensing range 4 mm; [nf] non-flush mountable			
Electrical data			
Electrical design		AC	
Operating voltage	[V]	20250 AC (4763 Hz)	
Protection class		II	
Reverse polarity protection	ı	no	
Outputs			
Output function		normally open	
Voltage drop	[V]	< 8.5	
Minimum load current	[mA]	8	
Leakage current	[mA]	< 2	
Current rating			
- Current rating (continuous	s) [mA]	200; 250 (50 °C)	
- Current rating (peak)	[mA]	î: 0.9 A (20 ms / 0.5 Hz)	
Short-circuit protection		no	
Overload protection		no	
Switching frequency	[Hz]	25	
Monitoring range			
Sensing range	[mm]	4	
Real sensing range (Sr)	[mm]	4 ± 10 %	
Operating distance	[mm]	03.25	
Accuracy / deviations			
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2	
Hysteresis	[% of Sr]	115	
Switch-point drift	[% of Sr]	-1010	
Environment			
Ambient temperature	[°C]	-2580	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011: class B	
MTTF	[Years]	932	
Mechanical data			

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Remarks
Pack quantity





Mounting	non-flush mountable
Housing materials	brass white bronze coated; active face: PC (polycarbonate)
Weight [g] 0.127
Displays / operating elements	
Output status indication L	D red
Electrical connection	
Connection	PVC cable / 2 m; 2 x 0.5 mm ²
Wiring Core colors BN brown BU blue	BN L1
Accessories	
Accessories (included)	2 lock nuts

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[piece]