IF0031

Inductive sensor

IFA2004-BBOW/10m



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$20 \qquad 71 \\ 46 \\ 46 \\ 46 \\ 46 \\ 46 \\ 46 \\ 46 \\ 4$						
Product characteristics						
Output function		normally closed				
Sensing range	[mm]	4				
Housing		Threaded type				
Dimensions	[mm]	M12 x 1 / L = 71				
Electrical data						
Frequency AC	[Hz]	4763				
Operating voltage	[V]	20250 AC				
Protection class		II				
Reverse polarity protection		no				
Outputs						
Output function		normally closed				
Max. voltage drop switching output AC	[V]	8.5				
Max. voltage drop switching output AC Minimum load current	[V] [mA]					
output AC		8.5				
output AC Minimum load current Max. leakage current Permanent current rating of	[mA]	8.5				
output AC Minimum load current Max. leakage current	[mA] [mA]	8.5 8 2				
output ACMinimum load currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of	[mA] [mA] [mA]	8.5 8 2 200; (250 (50 °C))				
output ACMinimum load currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of switching output	[mA] [mA] [mA] [mA]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz)				
output AC Minimum load current Max. leakage current Permanent current rating of switching output AC Short-time current rating of switching output Switching frequency AC	[mA] [mA] [mA] [mA]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25				
output AC Minimum load current Max. leakage current Permanent current rating of switching output AC Short-time current rating of switching output Switching frequency AC Short-circuit proof	[mA] [mA] [mA] [mA]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no				
output AC Minimum load current Max. leakage current Permanent current rating of switching output AC Short-time current rating of switching output Switching frequency AC Short-circuit proof Overload protection	[mA] [mA] [mA] [mA]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no				
output ACMinimum load currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of switching outputSwitching outputSwitching frequency ACShort-circuit proofOverload protectionMonitoring range	[mA] [mA] [mA] [MA] [Hz]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no				
output ACMinimum load currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of switching outputSwitching outputSwitching frequency ACShort-circuit proofOverload protectionMonitoring rangeSensing range	[mA] [mA] [mA] [HZ]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no 10 10 10 10 10 10 10 10 10 10				
output AC Minimum load current Max. leakage current Permanent current rating of switching output AC Short-time current rating of switching frequency AC Switching frequency AC Short-circuit proof Overload protection Monitoring range Sensing range Real sensing range Sr	[mA] [mA] [mA] [mA] [Hz]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no 10 4 4 4 ± 10 %				
output ACMinimum load currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of switching outputSwitching outputSwitching frequency ACShort-circuit proofOverload protectionMonitoring rangeReal sensing range SrOperating distance	[mA] [mA] [mA] [mA] [Hz]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no 10 4 4 4 ± 10 %				
output ACMinimum load currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of switching frequency ACSwitching frequency ACShort-circuit proofOverload protectionMonitoring rangeReal sensing range SrOperating distanceAccuracy / deviationsCorrection factor	[mA] [mA] [mA] [mA] [Hz]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no no 10 10 10 10 10 10 10 10 10 10				
output ACMinimum load currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of switching outputSwitching frequency ACShort-circuit proofOverload protectionMonitoring rangeReal sensing range SrOperating distanceAccuracy / deviationsCorrection factorHysteresis	[mA] [mA] [mA] [mA] [Hz]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no no 10 10 10 10 10 10 10 10 10 10				
output ACMinimum load currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of switching outputSwitching frequency ACShort-circuit proofOverload protectionMonitoring rangeReal sensing range SrOperating distanceAccuracy / deviationsCorrection factorHysteresis	[mA] [mA] [mA] [mA] [Hz] [mm] [mm] [mm]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no no 4 4 ± 10 % 03.25 steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 115				

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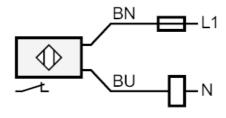
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Protection		IP 67				
Tests / approvals						
EMC		EN 60947-5-2				
		EN 55011		class B		
MTTF	[years]		9	32		
Mechanical data						
Housing		Threaded type				
Mounting		non-flush mountable				
Dimensions	[mm]	M12 x 1 / L = 71				
Thread designation		M12 x 1				
Material		housing: brass white bronze coated; sensing face: PBT				
Displays / operating elements						
Display		Switching status		1 x LED, yellow		
Electrical connection						
Required protection		r	$7-2$ sheet 1; ≤ 2 A; fast acting			
Accessories						
Items supplied		lock nuts: 2				
Remarks						
Remarks		Recommendation: check the unit for reliable function after a short circuit.				
Pack quantity		1 pcs.				
Electrical connection						
Cable: 10 m, PVC; 2 x 0.5 n	nm²					
Connection						



	Note miniature fuse to IEC60127-2 sheet $1 \le 2$ A fast acting		
	Core colors :		
BN =	brown		
BU =	blue		