## IF0020

## Inductive sensor

IF-2004-BBOW/20m



Article no longer available - archive entry					
		20 54,5 50 50 50 50 50 50 50 50 50 5			
Product characteristics					
Output function		normally closed			
Sensing range	[mm]	4			
Housing		Threaded type			
Dimensions	[mm]	M12 x 1 / L = 71.5			
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			
	[V] [mA]				
output AC		8.5			
output AC Minimum load current	[mA]	8.5			
output AC Minimum load current Max. leakage current Permanent current rating of	[mA] [mA]	8.5 8 2			
output AC Minimum load current Max. leakage current Permanent current rating of switching output AC Short-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]	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]	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]	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]	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 frequency ACShort-circuit proofOverload protectionMonitoring range	[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 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 output Switching frequency AC Short-circuit proof Overload protection Monitoring range Sensing range Real sensing range Sr	[mA] [mA] [mA] [HZ] [mm] [mm]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no no 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] [HZ] [mm] [mm]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no no 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 rangeSensing rangeReal sensing range SrOperating distanceAccuracy / deviationsCorrection factor	[mA] [mA] [mA] [HZ] [mm] [mm]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no no 4 4 4±10 % 03.25			
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] [Hz] [mm] [mm]	8.5   2   200; (250 (50 °C))   900; (20 ms / 0,5 Hz)   25   no   no   4   4 ± 10 %   03.25			
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 4 ± 10 % 03.25 steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 115			

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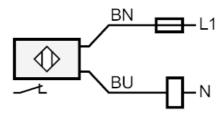
## Inductive sensor

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BN = BU =



Protection			IP 67	
Tests / approvals				
EMC		EN 60947-5-2		
MTTF	[years]		932	
Mechanical data				
Housing			Threaded type	
Mounting			non-flush mountable	
Dimensions	[mm]		M12 x 1 / L = 71.5	
Thread designation			M12 x 1	
Material			PBT	
Displays / operating eler	nents			
Display		Switching status	1 x LED, yellow	
Electrical connection				
Required protection		miniature fuse to IEC60127-2 sheet 1; $\leq$ 2 A; fast acting		
Accessories				
Items supplied			lock nuts: 2	
Remarks				
Remarks		Recommend	ation: check the unit for reliable function after a short circuit.	
Pack quantity			1 pcs.	
Electrical connection				
Cable: 20 m, PVC; 2 x 0.5	mm <sup>2</sup>			
Connection				



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