## IF0025

## Inductive sensor

IFA2002-BBOW/10m



		Article no longer available - archive entry			
20 71,5 54,5 50 K LED 54,5 50 K 17 K 17					
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]	4763			
Operating voltage	[V]	20250 AC			
Protection class		II			
Reverse polarity protection		no			
Outputs					
-					
Output function		normally closed			
Output function Max. voltage drop switching output AC	[V]	normally closed 8.5			
Max. voltage drop switching	[V] [mA]				
Max. voltage drop switching output AC		8.5			
Max. voltage drop switching output AC Minimum load current	[mA]	8.5 8			
Max. voltage drop switching output AC Minimum load current Max. leakage current Permanent current rating of	[mA] [mA]	8.5 8 2			
Max. voltage drop switching 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))			
Max. voltage drop switching output AC Minimum load current Max. leakage current Permanent current rating of switching output AC Short-time current rating of switching output	[mA] [mA] [mA] [mA]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz)			
Max. voltage drop switching 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			
Max. voltage drop switching 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			
Max. voltage drop switching 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			
Max. voltage drop switching 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] [mA] [Hz]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no			
Max. voltage drop switching 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	[mA] [mA] [mA] [HZ]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no 25			
Max. voltage drop switching 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] [mA] [Hz]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no 25 10 25 25 10 25 10 10 10 10 10 10 10 10 10 10			
Max. voltage drop switching output AC Minimum load current Max. leakage current Permanent current rating of switching output AC Short-time current rating of switching frequency AC Short-circuit proof Overload protection Monitoring range Sensing range Real sensing range Sr Operating distance	[mA] [mA] [mA] [mA] [Hz]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no 25 10 25 25 10 25 10 10 10 10 10 10 10 10 10 10			
Max. voltage drop switching output ACMinimum load currentMax. leakage currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of switching outputSwitching output ACShort-circuit proofOverload protectionMonitoring rangeSensing rangeReal sensing range SrOperating distanceAccuracy / deviationsCorrection factor	[mA] [mA] [mA] [mA] [Hz]	8.5 $8.5$ $2$ $200; (250 (50 °C))$ $900; (20 ms / 0.5 Hz)$ $25$ no no no $25$ 22 24 10 % 01.6			
Max. voltage drop switching output ACMinimum load currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of switching outputSwitching output ACShort-time current rating of switching outputSwitching frequency ACShort-circuit proofOverload protectionMonitoring rangeReal sensing range SrOperating distanceAccuracy / deviationsCorrection factorHysteresis[9]	[mA] [mA] [mA] [mA] [Hz]	8.5 8 2 200; (250 (50 °C)) 900; (20 ms / 0,5 Hz) 25 no no no 25 no no 10 25 no no 10 10 10 10 10 10 10 10 10 10			
Max. voltage drop switching output ACMinimum load currentMax. leakage currentPermanent current rating of switching output ACShort-time current rating of switching outputSwitching output ACShort-time current rating of switching outputSwitching frequency ACShort-circuit proofOverload protectionMonitoring rangeReal sensing range SrOperating distanceAccuracy / deviationsCorrection factorHysteresis[9]	[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 25 10 % 01.6 Steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 115			

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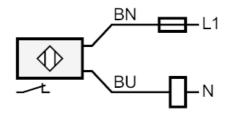
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Protection		IP 67			
Tests / approvals					
EMC		EN 60947-5-2			
		EN 55011		class B	
MTTF [	years]	932			
Mechanical data					
Housing		Threaded type			
Mounting		flush mountable			
Dimensions	[mm]	M12 x 1 / L = 71.5			
Thread designation		M12 x 1			
Material		housing: brass white bronze coated; sensing face: PBT			
Displays / operating elements					
Display		Switching status		1 x LED, yellow	
Electrical connection					
Required protection		miniature fuse to IEC60127-2 sheet 1; $\leq$ 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 mm <sup>2</sup>					
Connection					



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