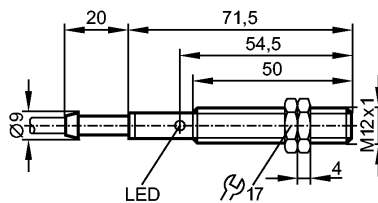


**IF0005**

IFA2002-ABOW

**Inductive sensors**



Made in Germany

Product characteristics	
Inductive sensor	
Metal thread M12 x 1	
Cable	
Sensing range 2 mm; [f] flush mountable	
Electrical data	
Electrical design	AC
Operating voltage [V]	20...250 AC (47...63 Hz)
Protection class	II
Reverse polarity protection	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) [mA]	250 AC (...50 °C) / 200 AC (...80 °C)
- Current rating (peak) [mA]	î: 0.9 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25
Range	
Sensing range [mm]	2
Real sensing range (Sr) [mm]	2 ± 10 %
Operating distance [mm]	0...1.6
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	932
Mechanical data	

**IF0005**

IFA2002-ABOW

**Inductive sensors**

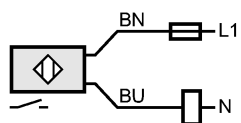
Mounting	flush mountable
Housing materials	Brass white bronze coated; active face: PC (polycarbonate)
Weight [kg]	0.116

Displays / operating elements	
Output status indication	LED yellow

Electrical connection	
Connection	PVC cable / 2 m; 2 x 0.5 mm <sup>2</sup>

**Wiring**

Core colours  
 BN brown  
 BU blue



Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)

Accessories	
Accessories (included)	2 lock nuts

Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.

Pack quantity [piece]	1
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