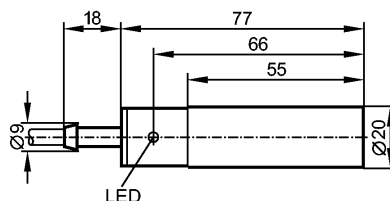


**no longer available - archive entry**



**Product characteristics**

Inductive sensor	
Plastic housing Ø 20 mm	
Cable	
Sensing range 10 mm; [nf] non-flush mountable	

**Electrical data**

Electrical design		AC/DC
Operating voltage [V]		20...250 AC/DC
Protection class		II
Reverse polarity protection		no

**Outputs**

Output function		normally closed
Voltage drop [V]		< 6.5 AC / < 6 DC
Minimum load current [mA]		5
Leakage current [mA]		< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)

<b>Current rating</b>		
- Current rating (continuous) [mA]		250 AC / 100 DC; 350 AC (...50 °C)
- Current rating (peak) [mA]		î: 2.2 A (20 ms / 0.5 Hz)
Short-circuit proof		no
Overload protection		no
Switching frequency [Hz]		25 AC / 70 DC

**Monitoring range**

Sensing range [mm]		10
Real sensing range (Sr) [mm]		10 ± 10 %
Operating distance [mm]		0...8.1

**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]		1...15
Switch-point drift [% of Sr]		-10...10

**Environment**

Ambient temperature [°C]		-25...80
Protection		IP 67

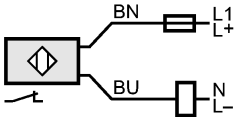
**Tests / approvals**

EMC		EN 60947-5-2 EN 55011: class B
MTTF [Years]		603

**IA0030**

IA-2010-BBOA/20M

**Inductive sensors**

Mechanical data	
Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.812
Displays / operating elements	
Output status indication	LED yellow
Electrical connection	
Connection	PVC cable / 20 m; 2 x 0.5 mm <sup>2</sup>
<b>Wiring</b> Core colors BN brown BU blue	
	
Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)	
Accessories	
Accessories (included)	Mounting clamp
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity [piece]	1