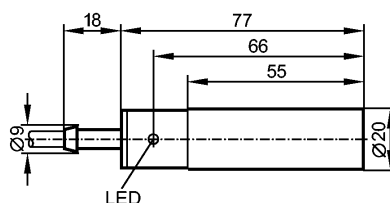


Alternative article: IA0027

Article discontinued as of 31.March 2017

When selecting an alternative article and accessories please note that technical data may differ!


**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)

**Current rating**

- 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

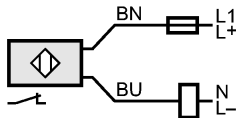
**Tests / approvals**

EMC	EN 60947-5-2
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# IA0052

IA-2010-BBOA/CSA

Inductive sensors

		EN 55011:	class B
MTTF	[Years]	603	
Mechanical data			
Mounting		non-flush mountable	
Housing materials		PBT	
Weight	[kg]	0.162	
Displays / operating elements			
Output status indication	LED	yellow	
Electrical connection			
Connection		PVC cable / 2 m; 2 x 0.5 mm²	
Wiring			
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	

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