

IA0068



Inductive sensor

IA-2010ZABO/SS



Electrical data	
Operating voltage [V]	20...250 AC/DC
Reverse polarity protection	yes
Outputs	
Output function	normally open
Max. voltage drop switching output DC [V]	6
Max. voltage drop switching output AC [V]	6.5
Minimum load current [mA]	5
Max. leakage current [mA]	2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC [mA]	100; (350 (...50 °C))
Permanent current rating of switching output DC [mA]	100
Short-time current rating of switching output [mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]	25
Switching frequency DC [Hz]	70
Short-circuit proof	no
Overload protection	yes
Detection zone	
Sensing range [mm]	10
Real sensing range Sr [mm]	10 ± 10 %
Operating distance [mm]	0...8.1
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [% of Sr]	1...15
Switch point drift [% of Sr]	-10...10
Operating conditions	
Ambient temperature [°C]	-25...100
Protection	IP 67

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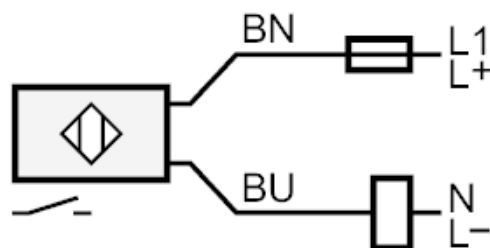
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Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	605
Mechanical data		
Weight	[g]	176.8
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	Ø 20 / L = 77
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Accessories		
Accessories (supplied)	Mounting clamps: 1	
Remarks		
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.	
Pack quantity	1 pcs.	

Electrical connection
Cable: 2 m, silicone; 2 x 0.75 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting

Core colours :

BN = brown

BU = blue