

Inductive sensor

IGA2008-ABOA/BS-201-A



Product characteristics

Output function	normally open
Sensing range [mm]	8
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 81

Electrical data

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

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]	250; (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]	100
Short-circuit proof	no
Overload protection	no

Detection zone

Sensing range [mm]	8
Real sensing range Sr [mm]	8 ± 10 %
Operating distance [mm]	0...6.5

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
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Hysteresis	[X01]	1...15	
Switch point drift	[X01]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[ANN]	604	
Mechanical data			
Weight	[g]	59.9	
Housing		threaded type	
Mounting		non-flush mountable	
Dimensions	[mm]	M18 x 1 / L = 81	
Thread designation		M18 x 1	
Materials		brass white bronze coated; PBT natural	
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	
Аксессуары			
Items supplied		lock nuts: 2	
Remarks			
Remarks		Recommendation: Check the safe functioning of the unit after a short circuit.	
Pack quantity		1 pcs.	

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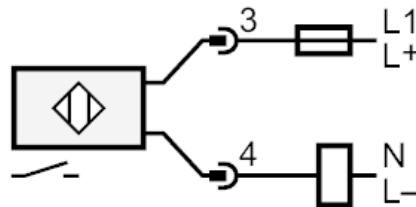


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Electrical connection - plug

Connector: 1 x M18; coding: A



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