

IG0311

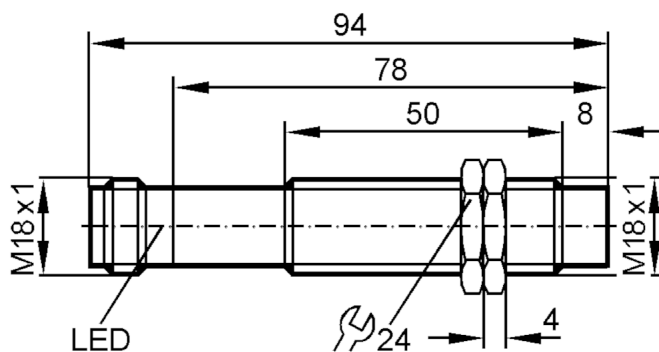


Inductive sensor

IGA2008-ABOA/BS-201-A/94/RT

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Alternative article: IG0012 When selecting an alternative article and accessories please note that technical data may differ! – When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

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

Electrical data

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

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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]	25	
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: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis [% of Sr]	3...15	
Switch point drift [% of Sr]	-10...10	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	604	
Mechanical data		
Weight [g]	0.067	
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M18 x 1	
Thread designation	M18 x 1	
Materials	brass nickel-plated; PC	
Displays / operating elements		
Display	switching status	1 x LED, red
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	

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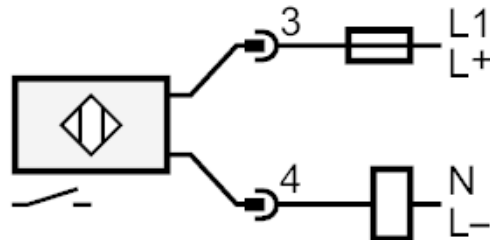
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Accessories	
Accessories (supplied)	lock nuts: 2
Remarks	
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M18



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

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