IG0311

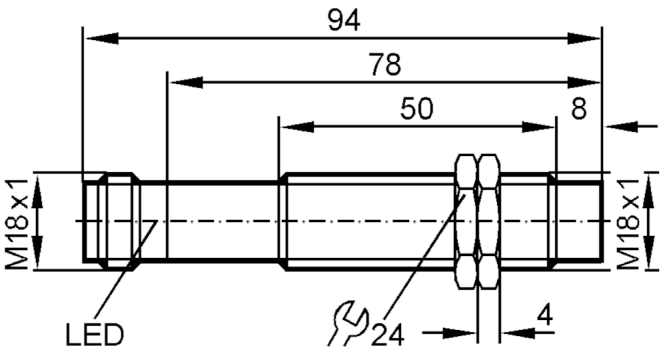
Inductive sensor

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

Article no longer available - archive entry

Alternative articles: IG0012

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
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

IG0311

Inductive sensor

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

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

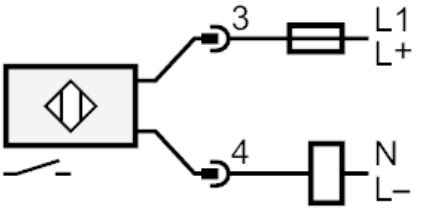
IG0311

Inductive sensor

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

Electrical connection - plug

Connector: 1 x M18; coding: A



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