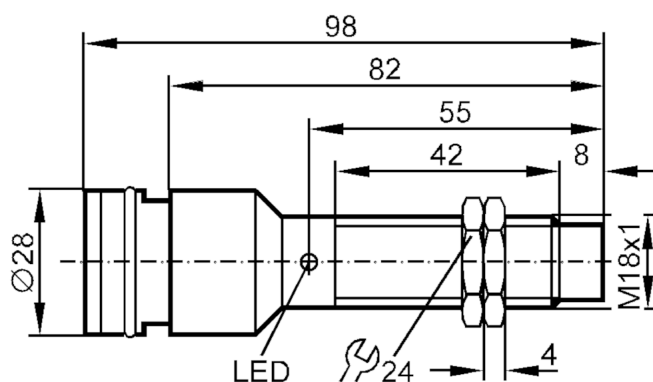


Inductive sensor

IGA2008-FBOA/SL/TS-600-K

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Product characteristics

Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	8
Housing		threaded type
Dimensions	[mm]	M18 x 1

Electrical data

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

Outputs

Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output DC	[V]	6.5
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



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Short-circuit protection		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]	1...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Housing		threaded type	
Mounting		non-flush mountable	
Dimensions	[mm]	M18 x 1	
Thread designation		M18 x 1	
Materials		PES; brass nickel-plated	
Displays / operating elements			
Display	switching status		1 x LED, yellow
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Remarks		Note:	
		Reversing the polarity of the connector can lead to the destruction of the unit.	
Pack quantity		1 pcs.	

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Electrical connection - plug

Connector: 1 x Ø 28 mm; coding: A

