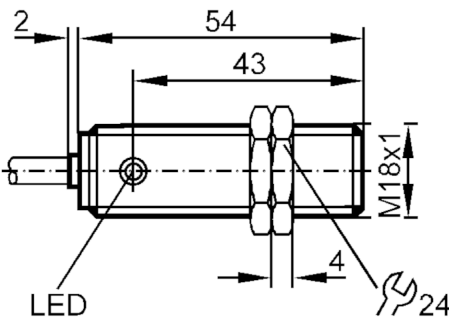




Inductive sensor

IGC2008-BBOA



Product characteristics

Output function		normally closed
Sensing range	[mm]	8
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 56

Electrical data

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

Outputs

Output function		normally closed
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) / 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]	50
Short-circuit proof		no

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Inductive sensor

IGC2008-BBOA

Overload protection		no	
Monitoring range			
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 / aluminum: 0.3 / copper: 0.2	
Hysteresis		[% of Sr]	1...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
UL approval		Ta	0...40 °C
		Enclosure type	Type 1
		File number UL	E174191
Mechanical data			
Weight		[g]	110
Housing		Threaded type	
Mounting		non-flush mountable	
Dimensions		[mm]	M18 x 1 / L = 56
Thread designation		M18 x 1	
Material		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			
Items supplied		lock nuts: 2	
Remarks			
Remarks		Recommendation: check the unit for reliable function after a short circuit.	
Pack quantity		1 pcs.	

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Inductive sensor

IGC2008-BBOA

Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



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

Core colors :

BN =

brown

BU =

blue