IH2006

Inductive sensor

SIH-2010-BBOA 1,5m RTF-KABEL

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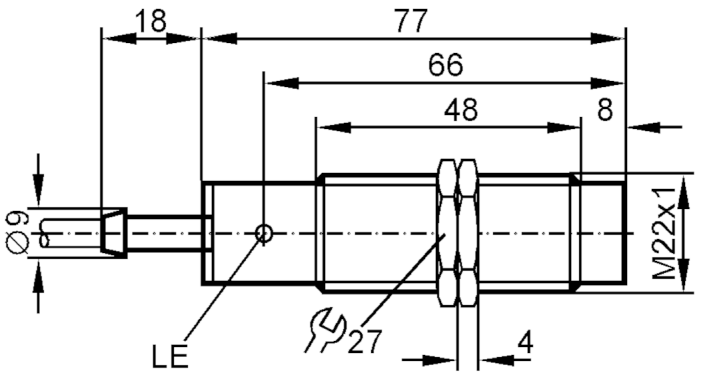

Product characteristics		
Output function		normally closed
Sensing range	[mm]	10
Housing		threaded type
Dimensions	[mm]	M22 x 1
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no
Outputs		
Output function		normally closed
Max. voltage drop switching output DC	[V]	6
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
Switching frequency AC	[Hz]	25

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Switching frequency DC	[Hz]	70	
Short-circuit proof		no	
Overload protection		no	
Detection zone			
Sensing range	[mm]	10	
Real sensing range Sr	[mm]	10 ± 10 %	
Operating distance	[mm]	0...8.1	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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
Mechanical data			
Weight	[g]	0.001	
Housing		threaded type	
Mounting		non-flush mountable	
Dimensions	[mm]	M22 x 1	
Thread designation		M22 x 1	
Materials		brass white bronze coated; 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 safe functioning of the unit after a short circuit.	
Pack quantity		1 pcs.	

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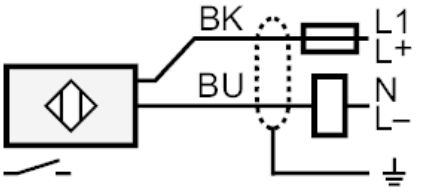
Electrical connection

Cable: 1.5 m, RTF; 2 x 0.5 mm²

Connection



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

BK = black
BU = blue