II0218

Inductive sensor

IIC2010-ABOW/3M/PH

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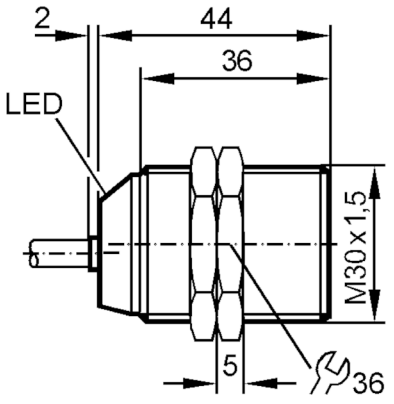

CE

Product characteristics		
Output function		normally open
Sensing range	[mm]	10
Housing		threaded type
Dimensions	[mm]	M30 x 1.5
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Current consumption	[mA]	< 1,5 (120 V AC) / < 3 (250 V AC)
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open
Max. voltage drop switching output AC	[V]	8.5
Minimum load current	[mA]	5
Permanent current rating of switching output AC	[mA]	100; (150 (...50 °C))
Short-time current rating of switching output	[mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25

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Short-circuit protection		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: 0.5 / 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			
Housing		threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M30 x 1.5	
Thread designation		M30 x 1.5	
Materials		PBT	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	

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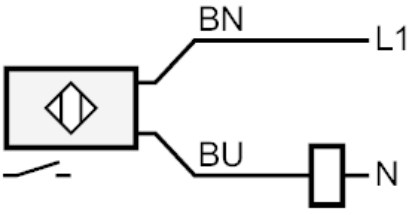
Electrical connection

Cable: 3 m, PUR; 2 x 0.5 mm²

Connection



	Core colours :
BN =	brown
BU =	blue