IG0237

Inductive sensor

IGB2005-ABOA/3M/PH/2LED

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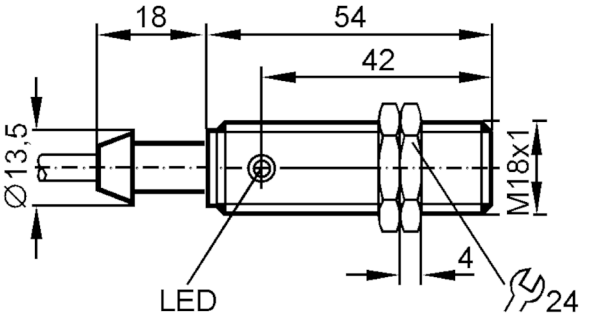

Product characteristics		
Output function		normally open
Sensing range	[mm]	5
Housing		threaded type
Dimensions	[mm]	M18 x 1
Application		
Special feature		Optical setting aid
Electrical data		
Operating voltage	[V]	30...132 AC / 20...132 DC
Protection class		II
Reverse polarity protection		no
Outputs		
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]	7
Max. leakage current	[mA]	0.8
Permanent current rating of switching output AC	[mA]	100
Permanent current rating of switching output DC	[mA]	100

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Short-time current rating of switching output	[mA]	100; (AC/DC)	
Switching frequency AC	[Hz]	25	
Switching frequency DC	[Hz]	100	
Short-circuit protection		no	
Overload protection		no	
Detection zone			
Sensing range	[mm]	5	
Real sensing range Sr	[mm]	5 ± 10 %	
Operating distance	[mm]	0...4.05	
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]	M18 x 1	
Thread designation		M18 x 1	
Materials		brass nickel-plated; PC	
Displays / operating elements			
Display		switching status	1 x LED, green
		setting aid	1 x LED, red
Optical setting aid		yes	
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	

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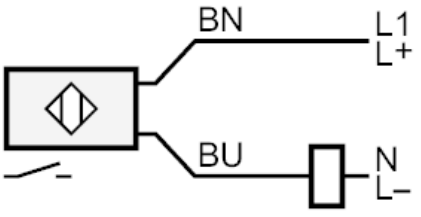
Electrical connection

Cable: 3 m, PUR / PVC; 2 x 0.5 mm²

Connection