

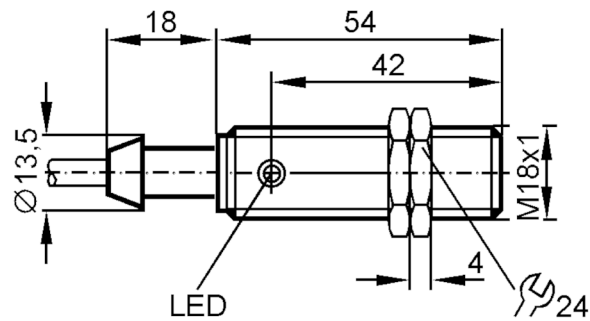
IG0237



Inductive sensor

IGB2005-ABOA/3M/PH/2LED

Article no longer available - archive entry



Product characteristics

Output function		normally open
Sensing range	[mm]	5
Housing		threaded type
Dimensions	[mm]	M18 x 1

Application

Special feature		Optical setting aid
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Electrical data

Operating voltage	[V]	30...132 AC / 20...132 DC
Protection class		II
Reverse polarity protection		no

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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	
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	

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Remarks

Pack quantity

1 pcs.

Electrical connection

Cable: 3 m, PUR / PVC; 2 x 0.5 mm²

Connection

