IG5844

Inductive sensor

IGB2008BAROG/UP/SC/0,3mDC

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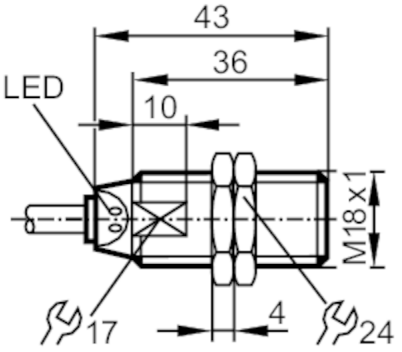

CE

Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	8
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 43
Application		
Special feature		Increased sensing range; Optical setting aid
Electrical data		
Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		no
Outputs		
Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	100
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	8
Operating distance	[mm]	0...6.5
Increased sensing range		yes
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3

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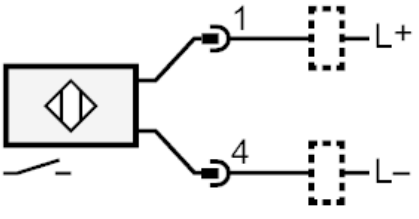
Hysteresis	[% of Sr]	3...15	
Operating conditions			
Ambient temperature	[°C]	-25...70	
Protection		IP 67	
Mechanical data			
Weight	[g]	113.398	
Housing		threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M18 x 1 / L = 43	
Thread designation		M18 x 1	
Materials		housing: brass PTFE coated; End cap: PC	
Displays / operating elements			
Display		switching status	1 x LED, red
		switching status	1 x LED, green
Optical setting aid		yes	
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection - plug			

Cable: 0.3 m, PUR; cross-linked; 2 x 0.34 mm²

Cable: 0.3 m, PUR; protective tube; 2 x 0.34 mm²

Connector: 1 x M12; coding: A

Connection