

IG0308

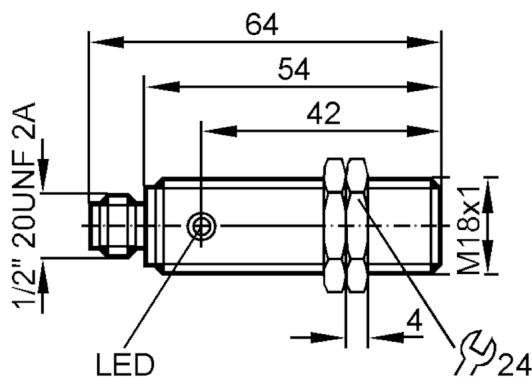


Inductive sensor

IGB2005-ABOW/SL/LS-100AK

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Electrical data

Operating voltage	[V]	80...140 AC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output AC	[V]	8.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1.7
Permanent current rating of switching output AC	[mA]	200
Short-time current rating of switching output	[mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
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

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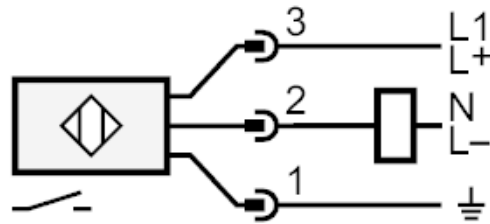
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis [% of Sr]	3...15	
Switch point drift [% of Sr]	-10...10	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	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; PBT	
Displays / operating elements		
Display	switching status	1 x LED, red
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x 1/2"		
		



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