IF7009

Inductive sensor

IFC-04-ARKG/US-L-L für Ventile

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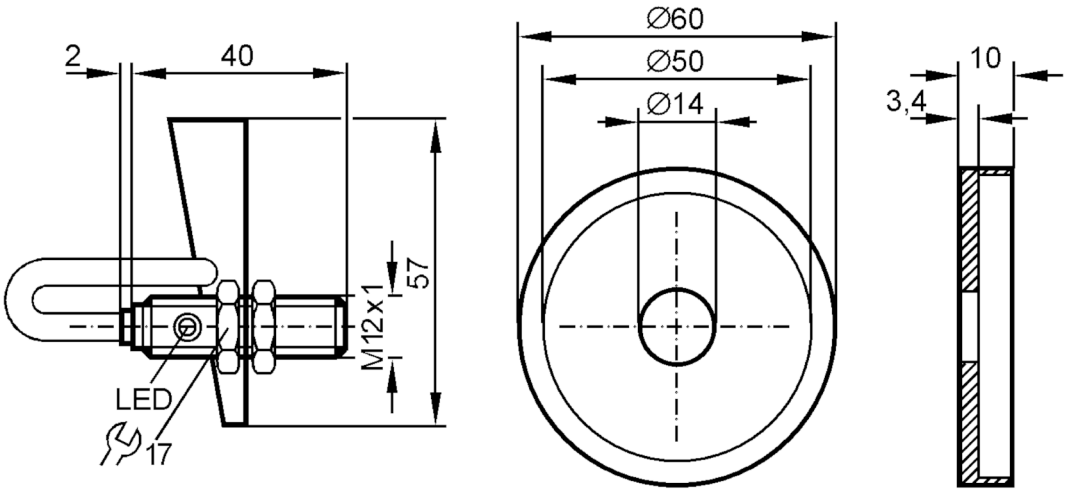

CE

Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	4
Housing		threaded type
Dimensions	[mm]	M12 x 1
Application		
Special feature		Gold-plated contacts
Installation		for valves; (76...101,6 (NW 80...100))
Electrical data		
Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.6
Permanent current rating of switching output DC	[mA]	150
Switching frequency DC	[Hz]	1500

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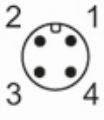
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
Sensing range	[mm]	4	
Real sensing range Sr	[mm]	4 ± 10 %	
Operating distance	[mm]	0...3.25	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...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		non-flush mountable	
Dimensions	[mm]	M12 x 1	
Thread designation		M12 x 1	
Materials		PBT; Target: stainless steel (304/1.4301)	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		lock nuts: 2	
		Target	
Remarks			
Remarks		Note:	
		The sensors are adjusted with the enclosed target flag.	
		If an older type of target flag is used, there is a risk of mechanical damage to the sensor if they are not adjusted properly.	
Pack quantity		1 pcs.	

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



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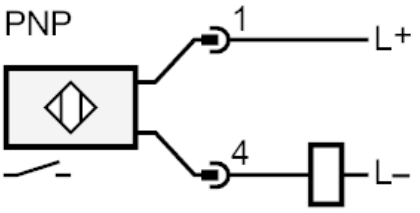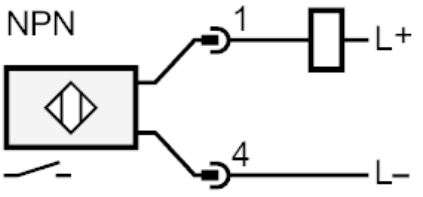
Connection