

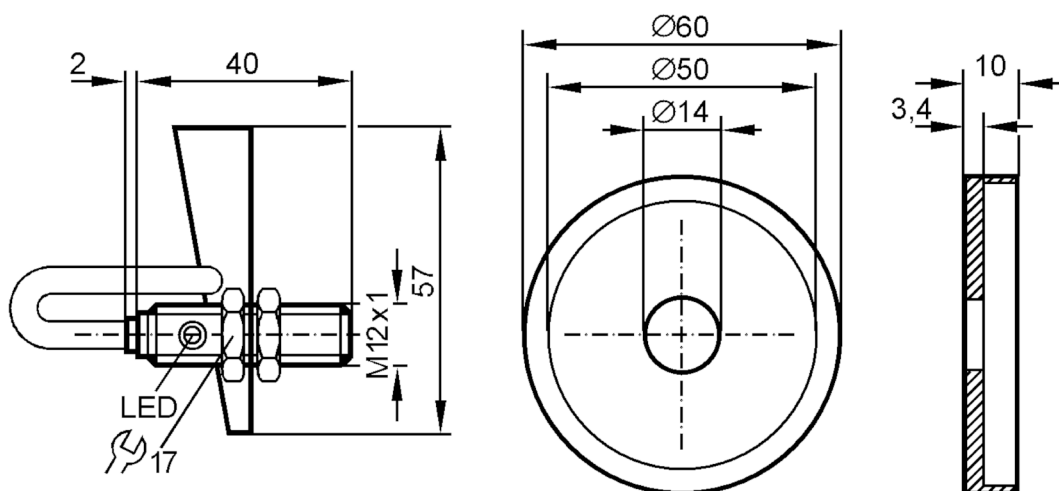
IF7010



Inductive sensor

IFC-04-ARKG/V-L-L für Ventile

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Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	4
Housing	Threaded type
Dimensions [mm]	M12 x 1

Application

Installation	for valves; (76...101,6 (NW 80...100))
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Electrical data

Operating voltage [V]	10...36 DC
Protection class	III
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
Short-circuit protection	yes

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Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
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 / aluminum: 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 65	
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing	Threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M12 x 1
Thread designation	M12 x 1	
Material	PBT; Target: stainless steel (1.4301 / 304)	
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.	

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Electrical connection - plug

Connector: 1 x valve plug type A DIN (DIN EN 175301-803)

