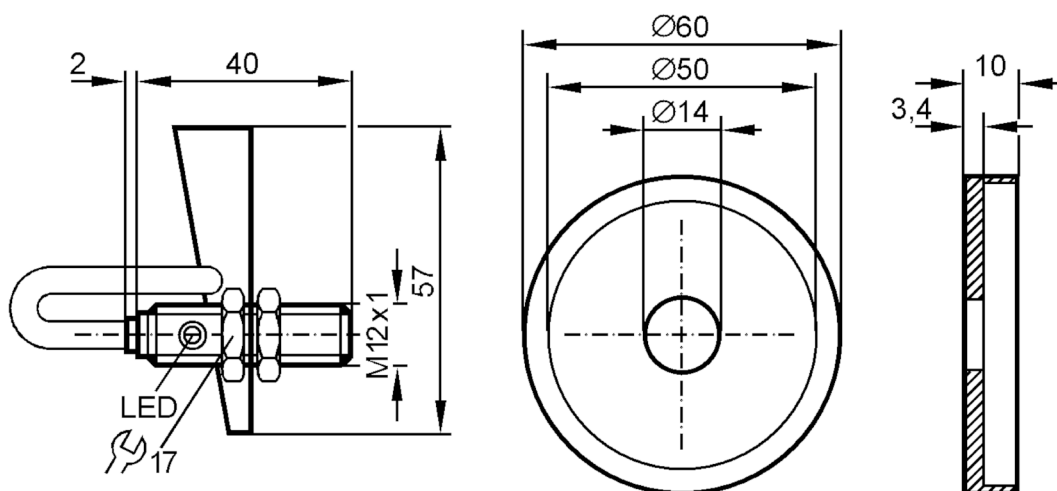


Inductive sensor

IFC-04-ARKG/US-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

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]	$4 \pm 10 \%$
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 (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.

Electrical connection - plug

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





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Connection

