

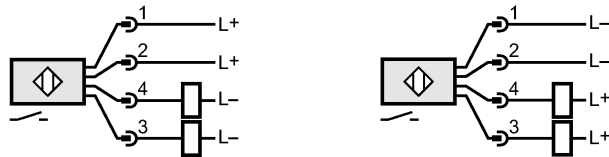
Product characteristics

Inductive sensor	
Plastic thread M12 x 1	
Connector	
Dual sensor	
with target	
Sensing range 4 mm; [nf] non-flush mountable	
Application	
Application	for valves 38...63.5 (NW 40...65)
Electrical data	
Electrical design	DC PNP/NPN
Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 4.6; per Sensor
Minimum load current [mA]	4
Leakage current [mA]	< 0.6; per Sensor
Current rating [mA]	150; per Sensor
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	1500
Range	
Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B

IF7003 - Inductive sensor - eclass: 27270101 / 27-27-01-01

MTTF	[Years]	1356
Mechanical data		
Mounting		non-flush mountable
Housing materials		PBT; target: stainless steel (304S15)
Weight	[kg]	0.14
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		M12 connector; Gold-plated contacts

Wiring



2-3: High
1-4: Low

Accessories		
Accessories (included)		2 mounting screws; Target puck
Remarks		
Remarks		Please note: The proximity switches have been 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 before use.
Pack quantity	[piece]	1