

Linking your system



Valve Proximity Sensors



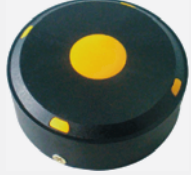


IV series, valve sensors, with target puck, can detect position of valve precisely by its inner IC and temperature compensation circuit which offering a more reliable operation. There are two proximity sensors equipped in one valve sensor. This valve sensor controls the open and close of valve accurately by detecting positions of nuts on the target disc.



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Size	40×30×25mm			
	Cable		Connector	
Standard	4mm	4mm	4mm	4mm
Sensing range	4mm	4mm	4mm	4mm
	CE RoHS	CE RoHS	CE RoHS	CE RoHS
3 wire PNP NO	IV0001		IV0005	
3 wire PNP NC	IV0003		IV0007	
3 wire NPN NO		IV0002		IV0006
3 wire NPN NC		IV0004		IV0008
Sensing surface	Non-flush	Non-flush	Non-flush	Non-flush
Operating voltage[V]	10-36DC	10-36DC	10-36DC	10-36DC
Current loading[mA]	250	250	250	250
Short-circuit protection	Pulsed	Pulsed	Pulsed	Pulsed
Reverse polarity protection	Yes	Yes	Yes	Yes
Overload protection	Yes	Yes	Yes	Yes
Voltage drop[V]	< 2.5	< 2.5	< 2.5	< 2.5
Leakage current[mA]	< 15(24VDC)	< 15(24VDC)	< 15(24VDC)	< 15(24VDC)
Real sensing range[mm]	4 ± 10%	4 ± 10%	4 ± 10%	4 ± 10%
Operating range[mm]	0...3.2	0...3.2	0...3.2	0...3.2
Switch-point drift [%Sr]	-10...10	-10...10	-10...10	-10...10
Hysteresis [%Sr]	1...15	1...15	1...15	1...15
Switching frequency [Hz]	1300	1300	1300	1300
Ambient temperature [°C]	-25...80	-25...80	-25...80	-25...80
Protection classification	IP67	IP67	IP67	IP67
Adjustment factors	Low carbon steel=1/stainless steel sprox 0.7/Brass approx 0.4/Aluminium approx 0.3/Copper approx 0.2			
Housing material	PBT			
Display LED	Red:upside sensing face output Green:downside sensing face output			
Connection	PVC-cable/2m;4×0.14mm ²		M12 Connector	
Accessories	two fixed nuts, two fixed screws			
Drawing				

Size	53mm	65mm	102mm
			
	CE RoHS	CE RoHS	CE RoHS
Order No.	US0024	US0025	US0026
Sensing face number[pcs]	3		
Sensing face angle[degree]	90		
Sensing face dimension[mm]	Φ 8 Circular		
Adjustment factors	Low carbon steel=1/stainless steel approx 0.7/Brass approx 0.4/Alumium approx 0.3/Copper approx 0.2		
Ambient temperature [°C]	-25...80		
Protection classification	IP67		
Housing material	PA66;PVC[Yellow marks]		
Installation	Φ6 locking screw		
	