FS20D Flow Switch

Nanjing Hangjia Electronic Technology Co., Ltd.

Overview

FS20D Flow Switch is made of stainless steel housing, aluminum can be selected. Easy installation, is a mechanical flow switch, for liquid or gaseous media. Mechanical part and electronic part are completely isolated, suitable for small flow economy type.

Application: Pneumatic liquid dual purpose, industrial automation/mechanical equipment/air compression industry/refrigeration and air conditioning, etc.

Feature

- Minimal pressure loss, good repeatability and stain resistance
- With a switch setting scale, users do not need to set in the field.
- Dual-use for vapor and liquid , can be used for water-cooling system and hydraulic system
- LED display switch status, dual switch output selected

Technical Parameters

Measuring Medium： water, gas, oil

Accuracy: ±0.5%F.S.

Hysteresis: depending on switching point, minimum 0.6L/Min

Switch setting :Calibrated in the medium water, temperature 20℃, the horizontal installation status. (Note:The installation location, medium and temperature changes may affect the switch value slightly)

LED display: DC power supply LED display switch status, AC no LED display.

Output Signal：reed switch

Contact Capacity：24VDC/250VAC，100mA

Maximal Withstand Voltage：50bar (aluminum), 100bar(stainless steel)

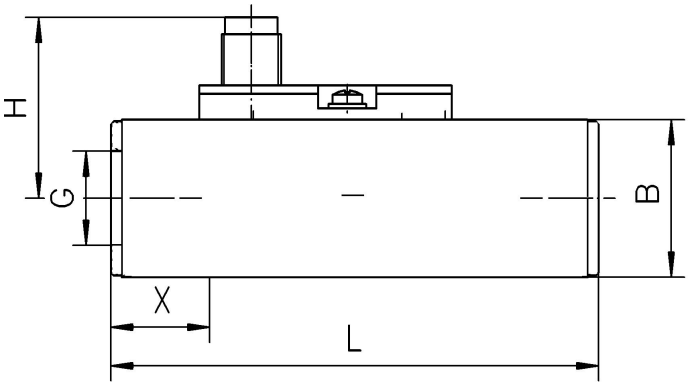
Average pressure loss:0.3bar(at 25L/min)

Ingress Protection:IP65

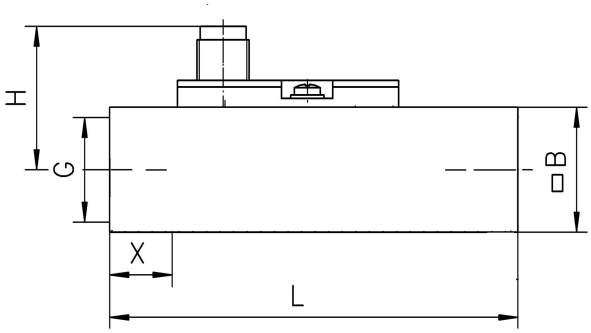
Medium max Temperature：90℃

Electrical Connection：M12

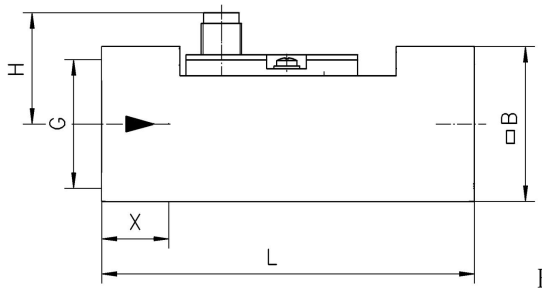
Structure Drawings (unit:mm)



FCS20-008/010



FCS20-015



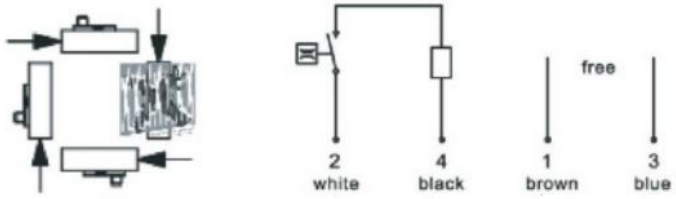
FCS20-020/025

Dimension Parameter

	bar	L/min water	L/min water	mm	mm	mm	mm	mm
008...L(X) 008...	50	40	0.6(0.1)..8 (7)	G1/4	93	36	30	12
010...L(X) 008...	50	40	0.6(0.1)..8 (7)	G3/8	93	36	30	15
015...L(X) 008...	50	40	0.6(0.1)..8 (7)	G1/2	93	36	30	15
020...L(X) 008...	50	40	0.6(0.1)..8 (7)	G3/4	105	36	35	15
025...L(X) 008...	50	40	0.6(0.1)..8 (7)	G1	105	36	40	15
008...L(X) 015...	50	40	1(0.5)..15 (13)	G1/4	93	36	30	12
010...L(X) 015...	50	40	1(0.5)..15 (13)	G3/8	93	36	30	15
015...L(X) 015...	50	40	1(0.5)..15 (13)	G1/2	93	36	30	15
020...L(X) 015...	50	40	1(0.5)..15 (13)	G3/4	105	36	35	15
025...L(X) 015...	50	40	1(0.5)..15 (13)	G1	105	36	40	15
015...L(X) 025...	50	40	2(0.8)...25 (25)	G1/2	93	36	30	15
020...L(X) 025...	50	40	2(0.8)...25 (25)	G3/4	105	36	35	15
025...L(X) 025...	50	40	2(0.8)...25 (25)	G1	105	36	40	15
020...L(X) 070...	50	40	27(21)...70 (66)	G3/4	105	36	35	15
025...L(X) 070...	50	40	27(21)...70 (66)	G1	106	36	40	15

Note: The parameters inside the brackets are reset points, and the parameters outside the brackets are action points. If the lower limit alarm (monitoring flow is too small) refer to the reset point parameter.

Installation and Wiring



Note: The installation position will affect the switch value

Structure Material

- Case: stainless steel
- Piston: POM
- Spring: stainless steel
- Seal: NBR

Ordering Guide

Item NO.	Type				
FS20D	Flow Switch				
	Code	Thread Spec			
	G14	G1/4			
	G38	G3/8			
	G12	G1/2			
	G34	G3/4			
	G1	G1			
		Code	Shell Material		
		A	Anodised Aluminium		
		S	Stainless Steel		
			Code	Setting Range of Flow	
			008	0.6～8L/min	
			015	1～15L/min	
			026	2～26L/min	
				Code	Electrical Connection
				M	M12 Connection
				Yn	Cable Outlet
FS20D	G12	S	015	M	

Tips for Type Selection

1. Please specify the flow direction of medium, type of medium, pipe diameter and expected set value.

2. If it is a viscous medium, please indicate the viscosity, temperature and type of medium.

3. For gaseous medium, please specify pressure (gauge/absolute pressure), temperature and type of medium.