FLOW SWITCH FS20R & FS20 Din Weather Proof FS20X - Explosion Proof



Technical Data

Size: From ½" to 1"

Service: For "Non-corrosive" liquid fluid available

In general, We DON't recommend using FS20 for the seawater application! But, if it is necessary, please let us know, we can customize the special magnet with lining to match up!

Material: Wetted parts 316 stainless steel Temperature Limit: -20 to 150°C Pressure Limit: 7.0 MPa (70 kg/cm²) Enclosure Housing: FS20R- Weather proof

FS20 Din- Weather proof FS20X- Explosion proof

Switch Function: SPDT micro switch

Switch Rating: 3A/250VAC, 3A/30VDC, 0.4A/125VDC Conduit Connection: Female 1/2", 3/4" G, NPT, and M20xP1.5 or

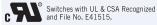
M25xP1.5 available

Patent No.

M290238

Approvals:





If using the FS20 for the Emergency Shower, please contact with the manufacturer at the first!!

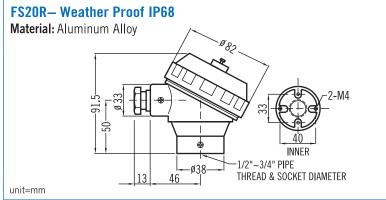
Head Type



FS-20 DIN



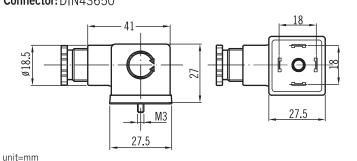
FS-20X



FS20 Din-Weather Proof IP65

Material: Thermoplastic Rubber

Cable Gland: PG9 Connector: DIN43650



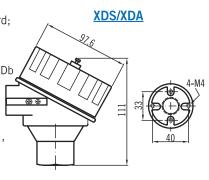
FS20X— Explosion Proof

Material: Aluminum Alloy- standard; SS316 available

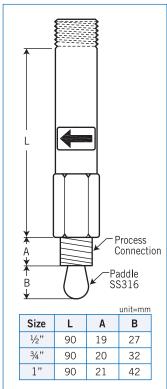
ATEX Approvals: II 2G D

Ex db IIC T6 Gb Ex tb IIIC T100°C Db

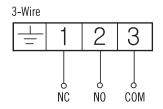
FM Approvals: XP/I/1/ABCD/T6; DIP/II, III/1/EFG/T6; Type 4X, Explosion proof for Class I, Division 1, Groups A,B,C and D; and dust-ignition proof for class II, III, Division 1, Groups E,F and G, hazardous (classified) locations: indoor/outdoor (NEMA Type 4X).



Dimensions



Connection Diagram





DIN

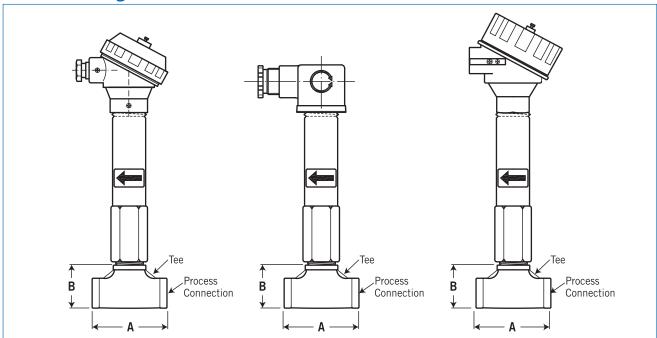
unit=mm

Flow Rate Table

Process Connection	Flow Rates Requi	Dimensions for Tee			Max.		
(Female with Tee Fitting)	Acuate (on) l/hour	Deacuate (off) ℓ/hour	A (mm)	B (mm)	REMARK	Flow Rate @2 bars	
½"NPT	380,460	52	45		3000 L/H		
34"NPT	550,610	140,240	64	47	¾" Paddle & ¾" Tee	7000 L/H	
1"NPT			67	49	³ / ₄ " Paddle & 1" Tee	7000 L/H	
1"NPT	930,1010	750,780	72	49			

NOTE. The Flow Rate Table is only for reference. Please consult with manufacturer for the accurate flow rate if without tee fitting.

With Tee Drawings



Ordering Information

Model	Code	Туре								
	FS-20R	Weather Proof Type		FS-20 DIN	Weather Proof	of Type FS-2		Explosion Proof Type		
Code Process Connection						1				
		Α	With Tee ((Material: SS316) (1) ½"NPT (2) ¾"NPT (3) 1"NPT (4) 1"NPT (but ¾" paddle)						
		В	Without Te	e (4) ½"NPT (5) ¾"NPT (6) 1"NPT						
			Code	Head Hou	Head Housing Type					
	Weather Proof (1) HN (only for FS-20R) (2) DIN 43650 (only for FS-20 DIN) (0) Opt									
				Explosion Proof (3) XDS (4) XDA (0) Option						
				Code	Conduit Size	hduit Size ½"NPT(F), standard (2) PG9 cable gland (only for FS-20 DIN) (0) Option				
					(1) ½"NPT(F					
					Code	Explosion Proof Type / Head Housing Type				
					N	For Weather Proof Type, FS-20R and FS-20 DIN				
					S	Certificate on Housing Only / XDS & XDA: Class I, Groups A, B, C & D; Class II, Groups E, F & G; NEMA 4X				
+	\	\	\	\	₩					
						Complete	Ordering Code			

Reminder before ordering:

In general, We DON't recommend using FS20 for the seawater application! But, if it is necessary, please let us know before placing an order, we can customize the special magnet with lining to match up!