# FLOW SWITCH FS20

## FS20R & FS20 Din – Weather Proof
## FS20X – Explosion Proof



FS-20R



FS-20 DIN



FS-20X

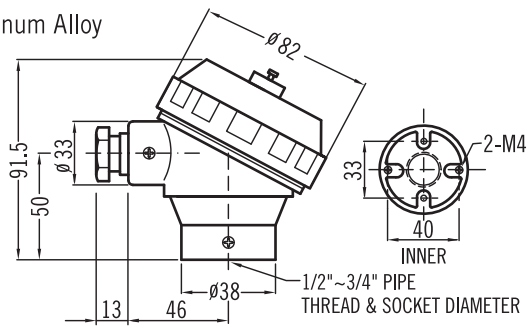
## Technical Data

**Size:** From ½" to 1"
**Service:** For liquid fluid
**Material:** Wetted parts 316 stainless steel
**Temperature Limit:** -20 to 150°C
**Pressure Limit:** 7.0 MPa (70 kg/cm²)
**Enclosure housing:** FS20R & FS20 Din – Weather Proof IP65
FS20X – Explosion Proof. EExdIICT6
**Switch function:** SPDT micro switch
**Switch rating:** 3A/250VAC, 3A/30VDC, 0.4A/125VDC
**Conduit Connection:** ¾"NPT female, option available

## Head Type

### FS20R–Weather Proof IP65

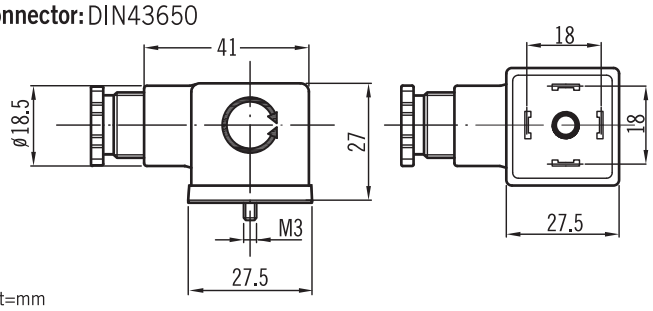
**Material:** Aluminum Alloy




unit=mm

### FS20 Din–Weather Proof IP65

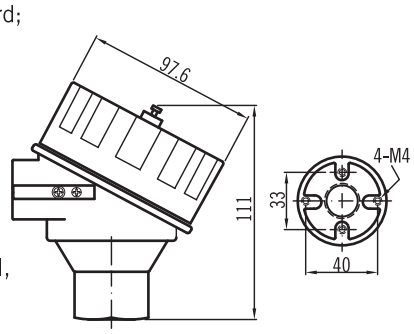
**Material:** Thermoplaastic Rubber
**Cable Gland:** PG9
**Connector:** DIN43650




unit=mm

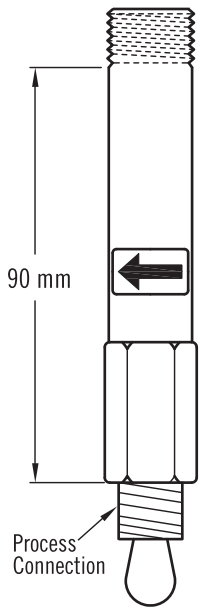
### FS20X–Explosion Proof

**Material:** Aluminum Alloy- standard;
SS316 available
**ATEX directive code:** II 2 G D
**Standard code:** Ex d IIC T6,
Ex tD A21,
T100°C IP6x Ta= -20°~+40°C
**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).



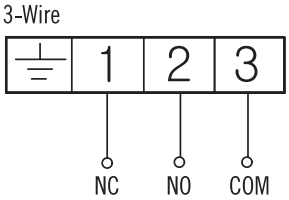

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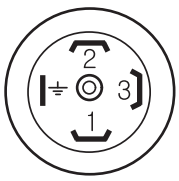
## Dimensions




## Connection Diagram

3-Wire



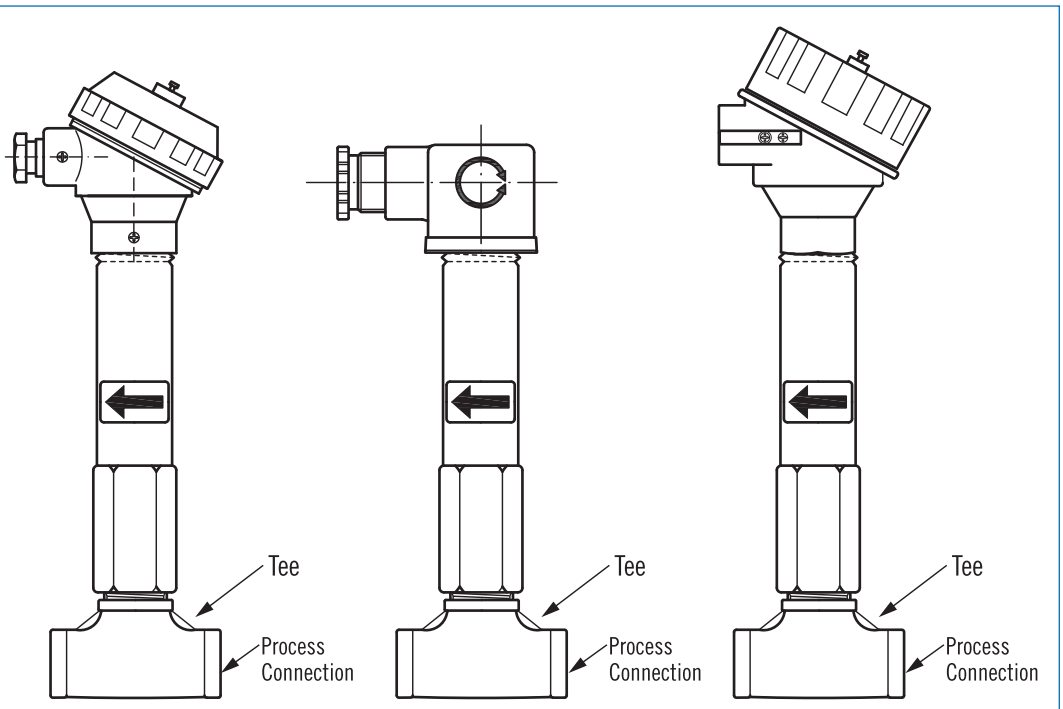

DIN

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## Flow Rate Table

| Process Connection (male) | FLow Rates Required Water at 25°C | |
|---|---|---|
| | Acuate(on) ℓ/hour | Deacuate(off) ℓ/hour |
| ½"NPT | 190,...210 | 130,...150 |
| ¾"NPT | 320,...350 | 250,...270 |
| 1"NPT | 435,...450 | 385,...395 |

## With Tee Drawings




## Ordering Information

| Model | FS-20R | FS-20 DIN | FS-20X |
|---|---|---|---|

| Code | Process Connection |
|---|---|
| A | With Tee (Material: SS316) |
| | (1) 1/2"NPT (2) 3/4"NPT (3) 1"NPT |
| B | Without Tee |
| | (4) 1/2"NPT (5) 3/4"NPT (6) 1"NPT |

Complete ordering code

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