▶ Float Sensor

FS8- 88 M Series

PVDF

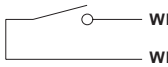
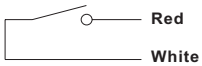
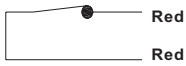
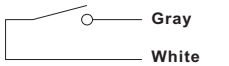
PP

▶ Switch Specifications of 88M Series

Characteristics \ Contact Type	Unit	(0) Normal Open	(1) High Power	(2) Normal Close	(8) High Voltage
• Contact Rating (max)	W	10	70	3	20
• Switching Voltage DC (max)	V	200	200	30	350
• Switching Voltage AC (max)	V	150	250	30	240
• Switching Current (max)	mA	500	1000	200	500
• Carry Current (max)	A	1.0	1.75	0.5	1.5
• Breakdown Voltage (min)	V	250	400	200	600
• Contact Resistance (max)	mΩ	120	150	200	120
• Operating Temperature (max)	°C	-20~80	-20~80	-20~80	-20~80

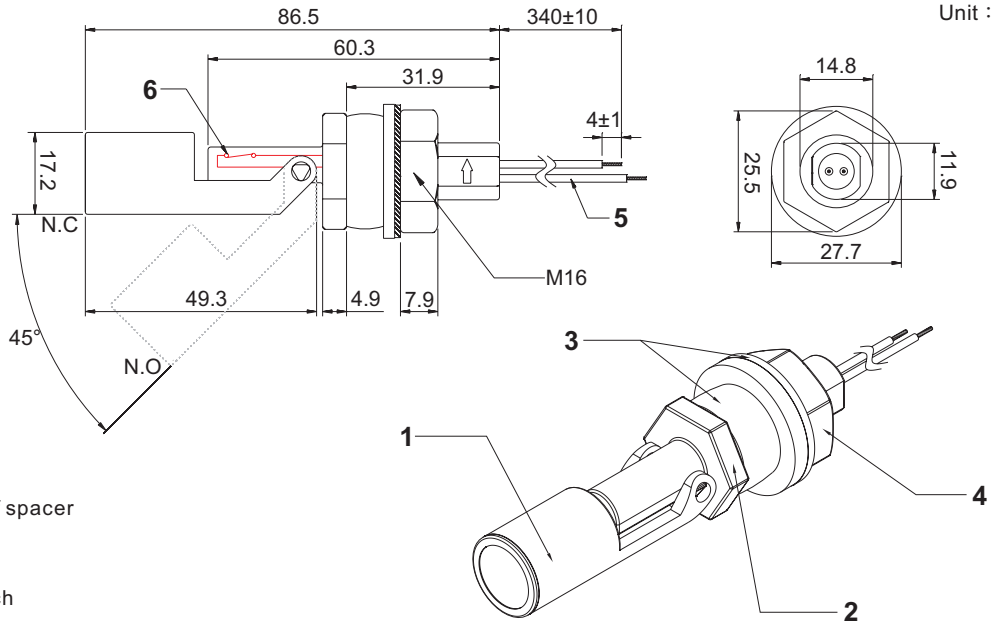
▶ Switch Types

Table 1

 White / White	 Red / White	 Red / Red	 Gray / White
0 : Normal Open - A Type	1 : Normal Open - A Type Hi Power	2 : Normal Close B - Type	8 : Normal Open - A Type Hi Voltage

▶ Dimensions

Unit : mm Tolerance ±0.4



▶ Structure

1. Float
2. Body
3. Waterproof spacer
4. Nut
5. Wire
6. Reed Switch

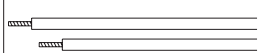
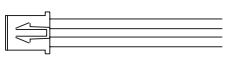
▶ Plastic Properties

Table 2

Material \ Property	Float Specific gravity	Water absorption	Rockwell Hardness	Izod impact strength	Heat distorti temperatures
PP	0.58	1.4 % (ASTM D955)	97 R Scale (ASTM D785)	3.5 Kg-Cm/Cm (ASTM D256)	98 ℃ (ASTM D648)
PVDF	0.95	---	80 D (ISO 868)	120 J/m (ISO 180)	108 ℃ (ISO 75)
ABS	0.67	0.3-0.6 % (ASTM D955)	102 R Scale (ASTM D785)	40Kg-Cm/Cm (ASTM D256)	87 ℃ (ASTM D648)
Test Conditions	---	---	---	23℃(73℉)	18.6kg/cm²(264 psi)

▶ Wire Specifications

Table 3

Material	Series	Description	Diagram
PVC or PVDF	Normal	Tinned leads	
PVC or PVDF	Cont	JST XH2.5	

▶ Ordering Information

A Complete part number is represented by the digits below :

FS8-88 - X M - XX H XX XX
(1) (2) (3)

(1) : Switch Type - Table 1 (0,1,2,8)
(2) : Material - Table 2 (PP=PP;PF=PVDF)
(3) : Wire Specifications - Table 3 - Material(PV=PVC ; PF=PVDF)
- Series(NO= Normal ; CN=Cont)

☆☆☆ The wires are not aligned at the end ☆☆☆