## Flow Switch

## (SFS-1)

## FEATURES



- This switch has excellent character in low pressure.
- This switch cannot exert harmful influence by scrap.
- This switch has multi function and can modify various structure for customer.


## CONTENTS



## APPLICATION

This switch is used in water flow sensing.
This switch has application to gas boiler and instantaneous warm water appliance, and water filtering appliance

## SPECIFICATIONS

| Operating flow quantity ( $\ell / \mathrm{min}$ ) | ON | $15 \pm 3$ | $20 \pm 3$ | $28 \pm 3$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | OFF | Difference from ON : less than 8 |  |  |  |
| Installation | Vertical and Horizontal |  |  |  |  |
| Ambient temperature | $0 \sim 60^{\circ} \mathrm{C}$ |  |  |  |  |
| Permissible fluid temperature | $0 \sim 60^{\circ} \mathrm{C}$ (It shall not be frozen) |  |  |  |  |
| Material | Body |  |  | Brass |  |
|  | Magnet |  |  | $\mathrm{Sr}-\mathrm{Fe}$ |  |
|  | O-ring |  |  | Silicone |  |
|  | MG Plate |  |  | SUS316 |  |

## SPECIFICATIONS

| Common use pressure |  | $: 0.2 \sim 10 \mathrm{kgf} / \mathrm{cm}^{2}$ |
| :---: | :---: | :---: |
| Electrical rating | Switching voltage | : DC300V, AC350V |
|  | Switching current | : AC, DC 1.0A |
|  | Ratings | : 10VA(W) |
|  | Contact resistance | : less than $100 \mathrm{~m} \Omega$ (included resistance) |
| Withstand pressure |  | : When water pressure $=17.5 \mathrm{kgf} / \mathrm{cm}^{2}$ is added for one minute, no external leakage shall be measured and it must be no damaged on the body. |
| Dielectric strength |  | : When $\operatorname{AC} 1800 \mathrm{~V}(50 / 60 \mathrm{~Hz})$ is added between the connector and body for one second, it shall be no unusual, detecting current is under 3 mA . |
| Insulation resistance |  | : Between terminal and outer exposed metal parts shall be 100 M ever by DC 500V meggar. |
| Weight |  | : 244 g |

## DIMENSIONS



Fig 1. Flow switch

