

# SF25WA

## General Specifications

|                                 |                      |
|---------------------------------|----------------------|
| Switch Circuit                  | :SP5T                |
| Current Rating                  | :50mA                |
| Voltage Rating                  | :12VDC               |
| Dielectric Withstanding Voltage | :250VAC for 1 minute |
| Contact Resistance              | :1 Ohm Max.(initial) |
| Insulation Resistance           | :100M Ohm Min.       |
| Operating Force                 | :400gf±100gf         |
| Total Travel                    | :1.0mm±0.3mm         |
| Mechanical Life                 | :100,000 cycles Min. |
| Operating Temperature           | :-10 deg.~+60 deg.   |

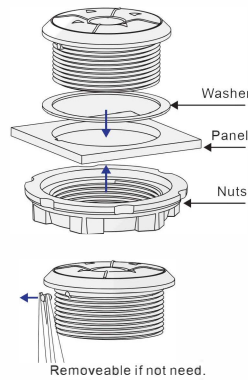
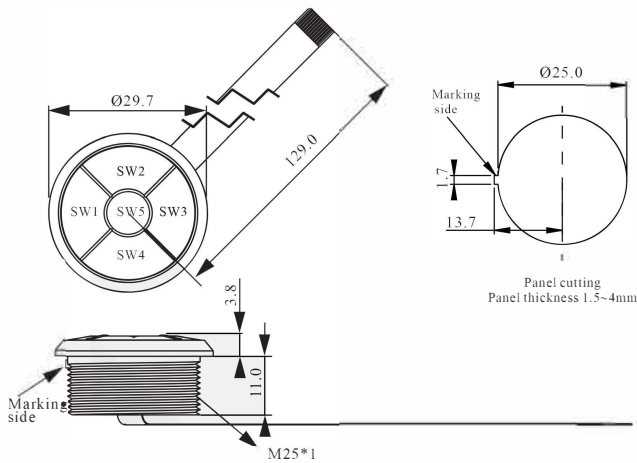
## Feature

- Panel cutting Ø25mm
- IP67
- 5 Key Navigation Switches
- LED Illuminated
- Metal Housing
- Custom Laser etch



|                  |  |
|------------------|--|
| Part name        | Materials  |
| Housing          | :SUS 316   |
| Cap              | :Silicone  |
| Tactile Switches | :LCD,SUS silver plating,<br>Cyanide silver plating |
| PCB              | :FR4   |
| FFC              | :PET   |
| Washer           | :EVA   |
| Nuts             | :Polyamide (PA)                                    |

## Contact Configuration & Panel cutting

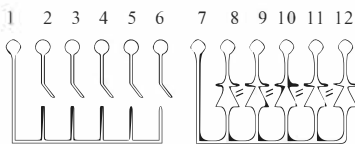


## How to order

|             |  |   |
|-------------|--|---|
| Module      |  |   |
| Part No     | SF25WA7B52   | SF25WA1B42  |
| Description | Blue LED<br>Stainless steel housing,<br>Painted Black Cap,<br>Laser Marking 2. | Red LED<br>Stainless steel housing,<br>Painted White Cap,<br>Laser Marking 2. |

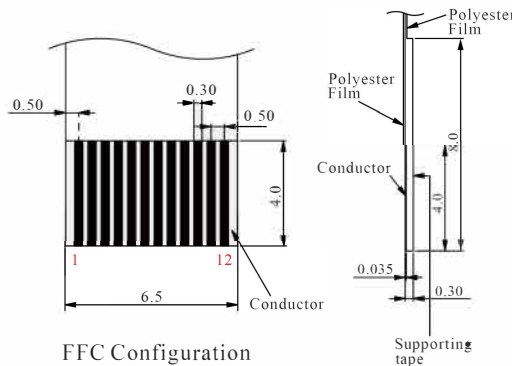
※ Color is subject to actual product.  
※ We provide Laser Marking service.

## Contact Configuration



| Pin | Function  | Pin | Function    |
|-----|-----------|-----|-------------|
| 1   | SW COM.   | 7   | LED(+)      |
| 2   | SW 1 N.O. | 8   | SW 1 LED(-) |
| 3   | SW 2 N.O. | 9   | SW 2 LED(-) |
| 4   | SW 3 N.O. | 10  | SW 3 LED(-) |
| 5   | SW 4 N.O. | 11  | SW 4 LED(-) |
| 6   | SW 5 N.O. | 12  | SW 5 LED(-) |

The Connector for SF25WA module is YCN007 or similar JST 12FLZT-SM1-TF  
Applicable FFC: Conductor pitch / 0.5mm  
Conductor width / 0.3mm  
Mating part thickness / 0.30±0.05mm



## Option

