



Shanpu

Illuminated Capacitive Touch Switches Series **SF25BB**



General Specifications

Switch Type	:Capacitive type
Switch Operation	:Momentary / Alternate
Switch operating voltage	: 5V DC to 24V DC
External control LED voltage	: 5V DC max. (function type A)
Current consumption	:80 mA max.
Output type	:NPN
Switching capacity	:200 mA
Operating Temperature	:-10 °C ~ +55 °C

Materials

Cap	:SUS or Polycarbonate (PC)
Base	:Acrylonitrile Butadiene Styrene (ABS)
Housing	:SUS
Nuts	:Polyamide (PA)
Washer	:Rubber

Feature

- Panel cutting Ø25mm
- Front Panel IP65
- Capacitive touch switch
- RGB LED Illuminated
- Automatic detection environment, touch more stable will not be misjudged
- Metal Housing

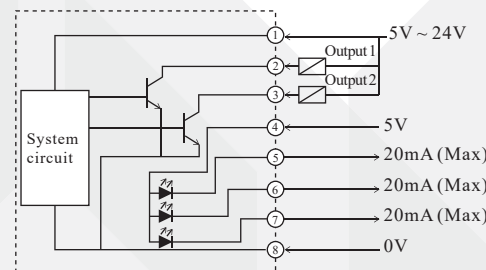
Application

- Medical equipment
- Automated control
- Home automation
- Security system
- Broadcast equipment
- Studio equipment

Circuit Diagram

/ Function Type A :
LED external control

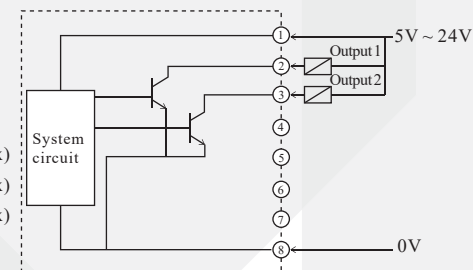
Pin	Function
1	VCC
2	OUTPUT 1 (Momentary)
3	OUTPUT 2 (Alternate)
4	LED VCC
5	RED
6	GREEN
7	BLUE
8	GND



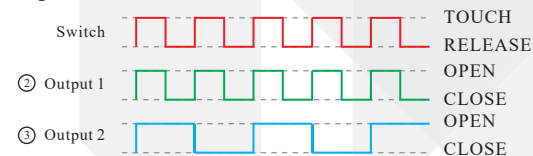
Recommend add resistor to limited each LED forward current at 20mA

/ Function Type B
Adjustable LED

Pin	Function
1	VCC
2	OUTPUT 1 (Momentary)
3	OUTPUT 2 (Alternate)
4	NON
5	NON
6	NON
7	NON
8	GND



Operation mode

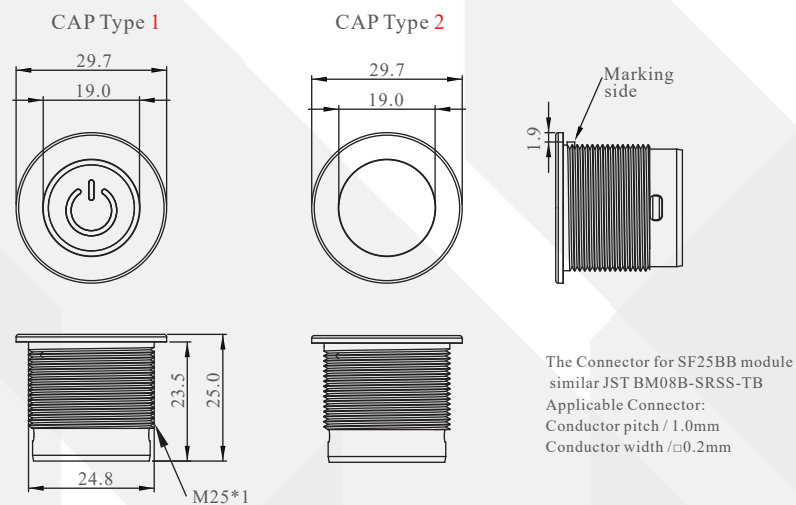




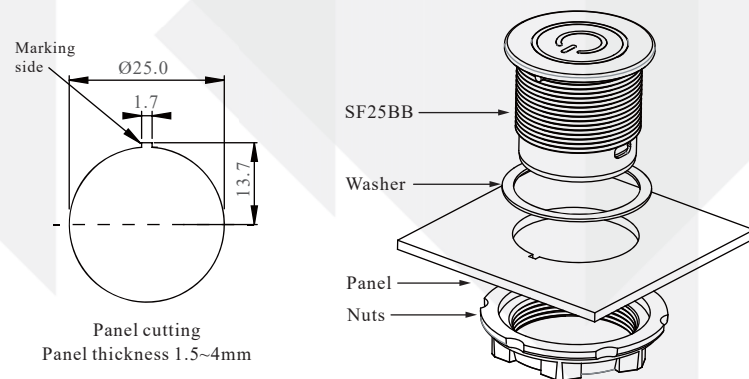
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Dimension



Installation Notes & Panel Cutting



How to order



SF25BBA2

Function Type A /
Cap type 2



SF25BBB1AB75

Function Type B / Cap type 1
Stand by : Blue LED /
Trigger : Green LED(Alternate)



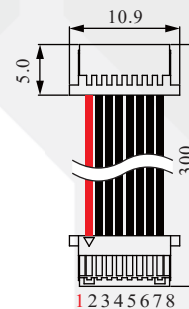
SF25BBB1MC15

Function Type B / Cap type 1
Stand by : Red LED /
Trigger : Green LED(Momentary)

※ Function Type A : LED external control

※ Function Type B : Adjustable LED

Option



Cable: YCW014

Cable: UL3302#28AWG
Conductor pitch : 1.0mm
Conductor width : 0.2mm