

SPC103

Pushbutton Switches



RoHS Compliant

Features

- 1. Light Tactile Feel**
Snap action mechanism provides light tactile feel.
- 2. Rich Variety of Color Button Accessories**
Available in 2 shapes, 8 colors.
- 3. Compatible with PC Board Mount and Snap-in Panel Mount**
- 4. Connector Socket (SPC101F-C)**

Recommended connectors shown in specifications.

Rating	3A 125VAC· 3A 250VAC· 3A 30VDC (Resistive load)
Initial contact resistance	20mΩ max. (1A 2~4VDC)
Dielectric strength	1,000VAC 1 minute
Initial insulation resistance	1,000MΩ min. (500VDC)
Electrical life	30,000 operations (At 3A 125VAC) 20,000 operations (At 3A 250VAC or 3A 30VDC)
Operating force	3.92±1.47N
Stroke	1.2mm
Operating temperature range	−25~+85℃
Storage temperature range	−40~+85℃
Recommended connectors	EHR-5 (Housing) by J.S.T. MFG CO.,LTD. (SPC103F-C)

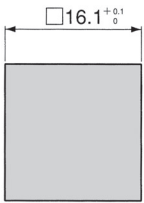
Optional Accessories

《Supplied separately》

	Color Button	
Dimensions (Material = ABS resin)		
White	140000481691	140000481699
Red	140000481692	140000481700
Black	140000481693	140000481701
Gray	140000481694	140000481702
Green	140000481695	140000481703
Blue	140000481696	140000481704
Orange	140000481697	140000481705
Yellow	140000481698	140000481706
Color Button mounting		

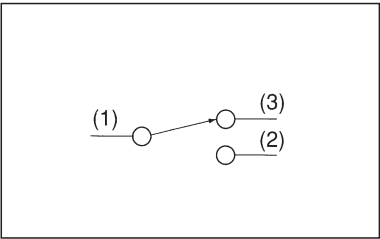
Panel Cut-Out Dimensions

Panel thickness : 1~2 mm



The edges on the back of the cut-out panel should be squared so that the switch box bites the panel firmly.

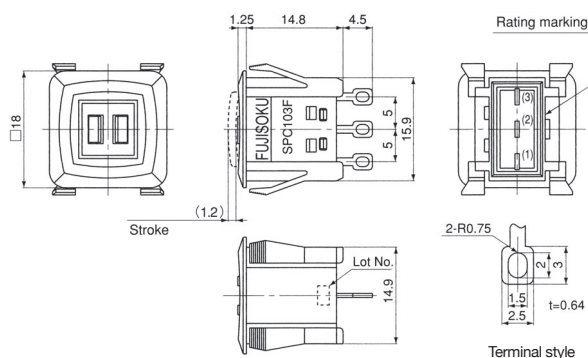
Circuit Diagrams



SPC103F



Solder Terminal



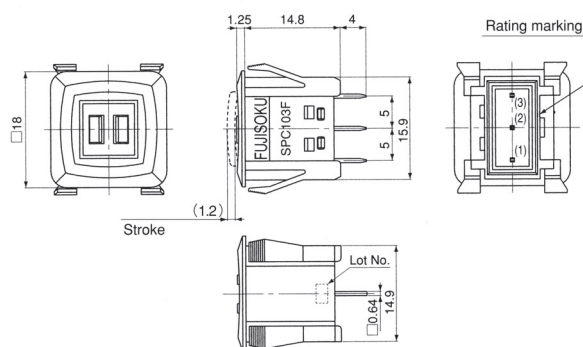
Part No.	Switching function	
SPC103F ★SPC103F-P SPC103F-C	ON	(ON)
Connecting terminals	1-3	1-2

(ON) : Momentary.

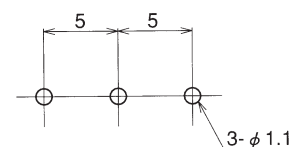
SPC103F-P



PC Straight



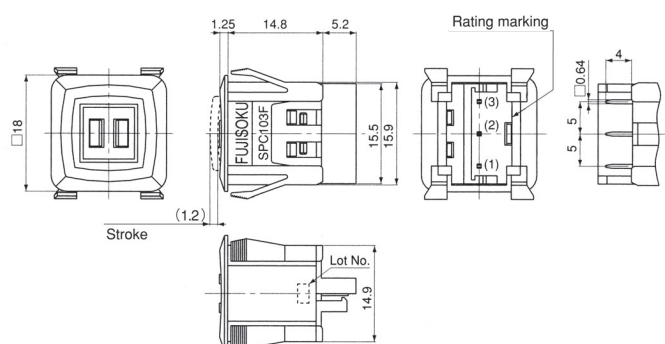
PC Hole Layouts



SPC103F-C



Connector Socket



※Mating connector : J.S.T.CO.,LTD connector EHR-5 series

Soldering Specifications

- (1) Manual Soldering
 - Device : Soldering iron
 - ① 350°C, Max.; 3 seconds, Max.
 - ② 270°C, Max.; 5 seconds, Max.
- (2) Auto Soldering
 - Device : Jet wave type or dip type
 - 260°C; Max.; 3 seconds, Max.
- Preheating should be done at 100°C or below, within 30 seconds.

Flux Cleaning

- (1) Solvent : Fluorine or Alcohol type.
- (2) The **SPC103** series are not washable. To wash the PC board, clean the soldering surface of the PC board with a brush so that the switch is not exposed to the cleaning solution.