SP101

Pushbutton Switches

RoHS Compliant

■Features

1. Sharp Tactile Feel
 Snap action mechanism provides light tactile feel.
2. Gold-Plated Contacts for Low Current Applications
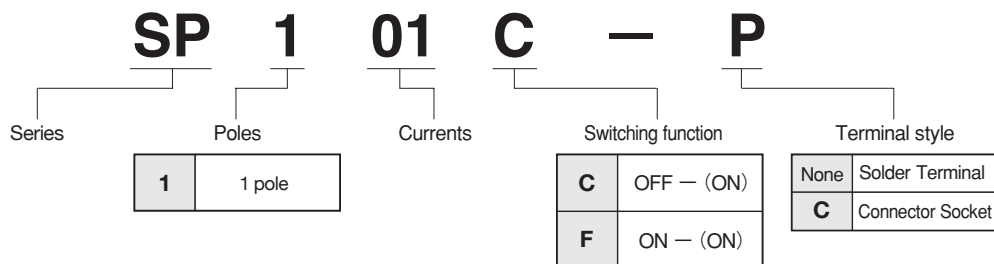**3. Compatible with PC Board Mount and Snap-in Panel Mount**
4. 3 Types of Terminals
 Terminal styles are available in Solder terminal, and connector socket (EHR-5 from JST).

■Specifications

Rating	60mA 30VDC Max.
Initial contact resistance	50mΩ max.　　　　　（1.5mA 200μVAC）
Dielectric strength	500VAC 1 minute
Initial insulation resistance	1,000MΩ min.　　　　　　　（500VDC）
Electrical life	50,000 operations
Operating force	2.94±0.98N
Operating temperature range	−20〜+85℃
Storage temperature range	−40〜+85℃

■Part Numbering

SP 1 01 C － P

Series　Poles　Currents　Switching function　Terminal style

Poles	
1	1 pole

Switching function	
C	OFF － （ON）
F	ON － （ON）

Terminal style	
None	Solder Terminal
C	Connector Socket

■Optional Accessories

Part Name	Color Button		
Dimension **A**	φ8	φ10	φ15
Dimension **B**	7.5	8	10
White	140000481420	140000480082	140000480088
Red	140000481421	140000480083	140000480089
Black	140000481422	140000480081	140000480090
Gray	140000481423	140000480084	140000480091

(Polyamide resin)

■Table of Part Numbers

Terminal style	Switching function	
	OFF － （ON）	ON － （ON）
Solder Terminal	★SP101C	———
Connector Socket	———	SP101F－C

★：Made to order products.　　　:Optional Accessories.　　　（ON）：Momentary.

SP101C
SP101F

10.5
20
4.6
13.5 ± 0.5
6
1.8
11
4.5 ± 0.5
5
5
17.4
(1) Stroke
Rating marking
(1)
(2)
(3)
Part No.marking

φ8
φ5
0.64
8.6
9
2-R0.75
2
3
1.5
2.5
t=0.64
Terminal style

Solder Terminal

● Terminal pin No.3 is not available in switches with Switching Function "**C**".
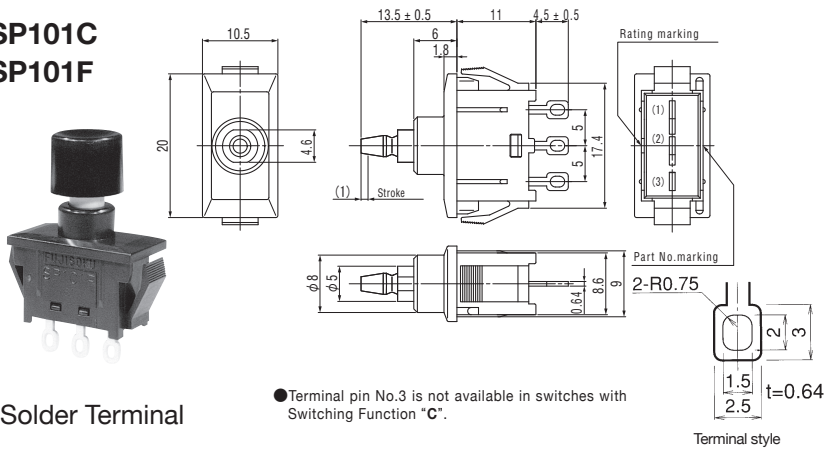
Switching function / Part No.		Push ↓
SP101C	OFF	（ON）
Connecting terminals	—	1－2
SP101F－C	ON	（ON）
Connecting terminals	1－3	1－2

（ON）：Momentary.

SP101F－C

10.5
20
4.6
13.5 ±0.5
6
1.8
16.2
□0.64
5
5
15.5
17.75
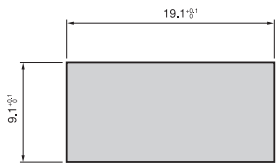(1) Stroke
Rating marking
(1)
(2)
(3)
Part No.marking

φ8
φ5
8.6
9
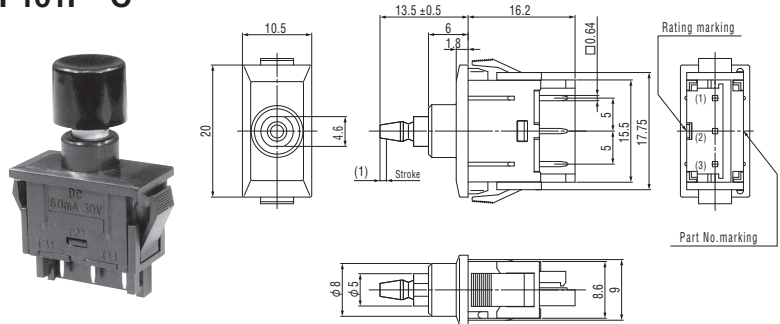
Connector Socket

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

■ Panel Cut-Out Dimensions

Panel thickness : 1～2 mm

19.1 +0.1 / 0
9.1 +0.1 / 0

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

■ Color Button Mounting Dimensions

φ8
R10
7.5
9.5±0.5

φ10
R10
8
10±0.5

φ15
R20
10
12±0.5
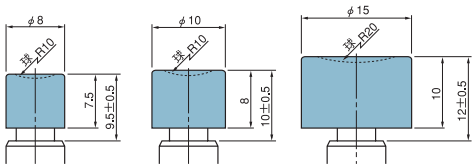
■Soldering Specifications

(1) Manual Soldering
Device: Soldering iron
380℃, Max.; 3 seconds, Max.

■Flux Cleaning

（1）Solvent :Fluorine or Alcohol type.
（2）The **SP101** 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.

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