

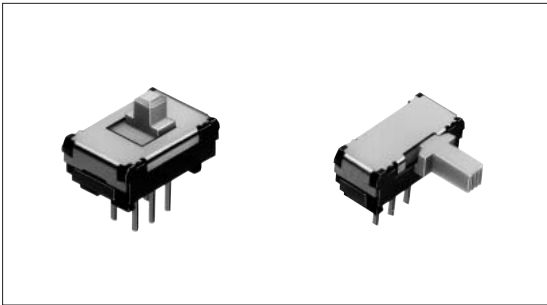
# Slide Switch 5(H)mm, 2mm-travel Type

## SSSS9 Series



Medium general type famous for its high operability.

- Detector
- Push
- Slide**
- Rotary
- Encoders
- Power
- Dual-in-line  
Package Type
- Multi Control  
Devices
- TACT Switch™
- Custom-  
Products
- Small size  
General Use type
- Big size  
General Use type
- Other Use type



### Features

- 2mm-travel.

### Applications

- AV devices, including DVD players, LCD TVs, headphone stereos, portable CD players, and camcorders
- For the switching modes of memory cards
- For the switching modes of communication devices, including FAX machines and cordless telephones
- For the switching modes of air conditioners

### Typical Specifications

Items		Specifications	
Rating (max.) / (min.) (Resistive load)		0.1A 12V DC/50μA 3V DC	
Contact resistance (Initial performance/After lifetime)		30mΩ max./80mΩ max.	
Operating force		2-positions	3-positions
		3±1.5N	a, c → b 2±1N b → a, c 3±1.5N
Operating life	Without load	10,000 cycles	
	With load	10,000 cycles (0.1A 12V DC)	

### Products Line

Travel (mm)	Operating section directions	Length of operating section (mm)	Poles	Positions	Mounting method	Changeover timing	Soldering	Minimum packing unit (pcs.)	Products No.	Drawing No.
2	Vertical	2	1	2	Standard	Non shorting	Manual, Dip	100	SSSS912000	1
					Snap-in (t1.6)				SSSS910400	2
				3	Standard	Not specified			SSSS919500	3
					Snap-in (t1.6)				SSSS918500	4
			2	2	Standard	Non shorting			SSSS922000	5
					Standard	Not specified			SSSS921800	6
		4	1	2	Snap-in (t1.6)	Non shorting			SSSS912500	1
					Standard	Not specified			SSSS910800	2
				3	Standard	Not specified			SSSS919800	3
					Snap-in (t1.6)				SSSS918700	4
			2	2	Standard	Non shorting			SSSS922500	5
					Standard	Not specified			SSSS923200	6
				3	Snap-in (t1.6)				SSSS920600	7

For other specifications, see P.149

Detector

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**Slide**

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Travel (mm)	Operating section directions	Length of operating section (mm)	Poles	Positions	Mounting method	Changeover timing	Soldering	Minimum packing unit (mm)	Products No.	Drawing No.
2	Horizontal	2	1	2	Standard	Non shorting	Manual, Dip	100	SSSS916900	8
					Snap-in (t1.6)				SSSS915000	9
				3	Standard	Not specified			SSSS91B900	10
					Snap-in (t1.6)				SSSS91A900	11
			2	2	Standard	Non shorting			SSSS926400	12
					Standard	Not specified			SSSS928500	14
		4	1	2	Snap-in (t1.6)	Non shorting			SSSS916400	8
					Standard	Not specified			SSSS914500	9
									SSSS91B600	10
			3	Snap-in (t1.6)	Not specified	SSSS91A600			11	
				Standard	Non shorting	SSSS925800			12	
			2	2	Snap-in (t1.6)	Non shorting			SSSS923800	13
					Standard	Not specified			SSSS928200	14
				3	Standard	Not specified			SSSS925700	15

### Note

Additional switches not included in the above list are also available. Contact us for details.

### Dimensions

#### Vertical Operating Section Type

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
1	<b>1-pole, 2-positions Standard type</b> 	
2	<b>1-pole, 2-positions Snap-in type</b> 	
3	<b>1-pole, 3-positions Standard type</b> 	

For other specifications, see P.149

# Slide Switch

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### Dimensions

Vertical Operating Section Type

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
4	<b>1-pole, 3-positions Snap-in type</b>	
5	<b>2-poles, 2-positions Standard type</b>	
6	<b>2-poles, 3-positions Standard type</b>	
7	<b>2-poles, 3-positions Snap-in type</b>	

### Dimensions

Horizontal Operating Section Type

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
8	<p><b>1-pole, 2-positions Standard type</b></p>	
9	<p><b>1-pole, 2-positions Snap-in type</b></p>	
10	<p><b>1-pole, 3-positions Standard type</b></p>	
11	<p><b>1-pole, 3-positions Snap-in type</b></p>	
12	<p><b>2-poles, 2-positions Standard type</b></p>	

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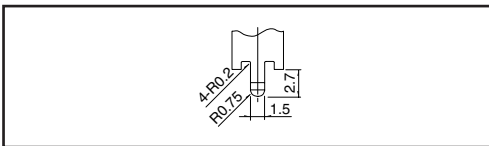
### Dimensions

Horizontal Operating Section Type

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
13	<b>2-poles, 2-positions Snap-in type</b> 	
14	<b>2-poles, 3-positions Standard type</b> 	
15	<b>2-poles, 3-positions Snap-in type</b> 	

### Detail of (a) Unit:mm



### Circuit Diagram (Viewed from the Direction A)

<b>1-pole, 2-positions Standard type</b> 	<b>1-pole, 2-positions Snap-in type</b> 	<b>1-pole, 3-positions Standard type</b> 	<b>1-pole, 3-positions Snap-in type</b> 
<b>2-poles, 2-positions Standard type</b> 	<b>2-poles, 2-positions Snap-in type</b> 	<b>2-poles, 3-positions Standard type</b> 	<b>2-poles, 3-positions Snap-in type</b> 

## Products Specifications

Items		Series	SSAD	SSSS8	SSSS7	SSSS2	SSSS9	SSSF	SSSU	
		<b>Operating temperature range</b>		-10°C to +60°C						
<b>Rating (max.) (Resistive load)</b>		1mA 5V DC	0.3A 4V DC		0.3A 6V DC		0.1A 12V DC	0.1A 30V DC		
Electrical performance	<b>Initial contact resistance</b>	100mΩ max.	70mΩ max.			30mΩ max.		25mΩ max.		
	<b>Insulation resistance</b>	100MΩ min. 100V DC			100MΩ min. 500V DC					
	<b>Voltage proof</b>	100V AC for 1 min.			500V AC for 1 min.					
Mechanical performance	<b>Robustness of terminal</b>	3N for 1 min.					5N for 1 min.			
	Robustness of actuator	<b>Operating direction</b>	5N	10N		20N	30N			
		<b>Pulling direction</b>	5N	10N Static force			10N	30N Static force		
	<b>Vibration</b>		10 to 55 to 10Hz/min., the amplitude is 1.5mm for all the frequencies, in the 3 direction of X, Y and Z for 2 hours respectively							
	Resistance to soldering heat	Manual soldering	300±5°C 5s max.		260±5°C 3s max.	350±10°C 4s max.	300±10°C 5s max.	350±10°C 5s max.	350±10°C 3 <sup>+1</sup> <sub>0</sub> s	
		Dip soldering	—			260±5°C 5 <sub>-1</sub> s			260±5°C 10±1s	
Reflow soldering		Please see P.161				—				
Durability	<b>Operating life without load</b>	※ 10,000 cycles 100mΩ max.				10,000 cycles 60mΩ max.		10,000 cycles 45mΩ max.		
	<b>Operating life with load Load : As rating</b>	10,000 cycles 200mΩ max.	※ 10,000 cycles 130mΩ max.			10,000 cycles 80mΩ max.		10,000 cycles 65mΩ max.		
Environmental performance	<b>Cold</b>	-20±2°C for 96h								
	<b>Dry heat</b>	85±2°C for 96h								
	<b>Damp heat</b>	40±2°C, 90 to 95%RH for 96h								

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## Note

※ SSSS213202 only 100 cycles.