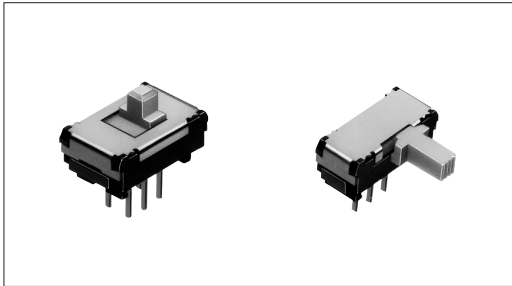


Slide Switch 5(H)mm, 2mm-travel Type

SSSS9 Series



Mid-size general purpose type well established for user friendliness.



Typical Specifications

Items		Specifications	
Rating (max.) / (min.) (Resistive load)		0.1A 12V DC/1mA 5V 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	10,000cycles	
	With load	10,000cycles (0.1A 12V DC)	

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

Custom-
Products

Small size
General Use type

Big size
General Use type

Other Use type

Product Line

Travel (mm)	Actuator direction	Actuator length (mm)	Poles	Positions	Mounting method	Changeover timing	Soldering	Minimum order unit (pcs.)	Products No.	Drawing No.	
2	Vertical	2	1	2	Standard	Non shorting	Manual, Dip	5.000	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	
						Not specified			SSSS921800	6	
		3		Standard	Non shorting	SSSS912500		1			
			Not specified		SSSS910800	2					
		4	1	2	Standard	Non shorting		5.000	5.000	SSSS919800	3
						Snap-in (t1.6)				SSSS918700	4
				3	Standard	Not specified				SSSS922500	5
			Snap-in (t1.6)			SSSS923200			6		
	2		2	Standard	Non shorting	4.000	4.000		SSSS916900	8	
					Not specified				SSSS915000	9	
		3	Standard	Non shorting	SSSS91B900			10			
	Not specified			SSSS926400	12						
	Horizontal	2	1	2	Standard	Non shorting	5.000	5.000	SSSS916400	8	
					Snap-in (t1.6)				SSSS914500	9	
				3	Standard	Not specified			SSSS91B600	10	
			Snap-in (t1.6)			SSSS91A600		11			
			2	2	Standard	Non shorting		4.000	4.000	SSSS925800	12
						Snap-in (t1.6)				SSSS923800	13
		3		Standard	Non shorting	SSSS928200	14				
			Not specified		SSSS925700	15					

Packing Specifications

Bulk

Products No.	Number of packages (pcs.)		Export package measurements (mm)
	1 case /Japan	1 case /export packing	
SSSS921800, SSSS923200, SSSS920600, SSSS928500, SSSS928200, SSSS925700	800	4,000	400×270×290
SSSS912000, SSSS910800, SSSS926400, SSSS910400, SSSS919800, SSSS916400, SSSS919500, SSSS918700, SSSS914500, SSSS918500, SSSS922500, SSSS91B600, SSSS922000, SSSS916900, SSSS91A600, SSSS912500, SSSS915000, SSSS925800, SSSS91B900, SSSS923800	1,000	5,000	

Notes

1. Products other than those listed in the above chart are also available. Please contact us for details.
2. Please contact us for automotive use products.
3. Please place purchase orders per minimum order unit N (integer).

ALPS

Dimensions

Vertical Actuator Type

Unit:mm

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

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

Dimensions

Vertical Actuator Type/Horizontal Actuator Type

Unit:mm

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

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

Custom-
Products

Small size
General Use type

Big size
General Use type

Other Use type

Slide Switch 5(H)mm, 2mm-travel Type | SSSS9 Series

Dimensions

Horizontal Actuator Type

Unit:mm

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

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

Dimensions

Horizontal Actuator Type

Unit:mm

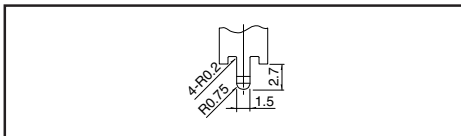
No.	Style	PC board mounting hole dimensions (Viewed from direction A)
13	2-poles, 2-positions Snap-in type 	
14	2-poles, 3-positions Standard type 	
15	2-poles, 3-positions Snap-in type 	

- Detector
- Push
- Slide
- Rotary
- Encoders
- Power
- Dual-in-line Package Type
- TACT Switch™
- Custom-Products

- Small size General Use type
- Big size General Use type
- Other Use type

Detail of ①

Unit:mm



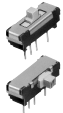





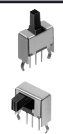
Circuit Diagram (Viewed from Direction A)

1-pole, 2-positions Standard type Drawing No. : 1, 2, 8, 9 	1-pole, 3-positions Standard type Drawing No. : 3, 4, 10, 11 	2-poles, 2-positions Standard type Drawing No. : 5, 12, 13 	2-poles, 3-positions Standard type Drawing No. : 6, 7, 14, 15
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List of Varieties

- Detector
- Push
- Slide**
- Rotary
- Encoders
- Power
- Dual-in-line Package Type
- TACT Switch™
- Custom-Products

- Small size General Use type
- Big size General Use type
- Other Use type

Series	SSSS9 ※	SSSF ※	SSSU ※	SSSB	SSAA ※	SSAC	SSAB	
Photo								
Outline specifications	Travel (mm)	2		3	4	2	1.5	1.9 2
	Actuator direction	Vertical Horizontal			Vertical	Horizontal		Vertical Horizontal
	Number of poles	1 2	1 2 4	2 4	1 2	2	1	
Dimensions (mm)	W	14	16.5	24.5	29	12.4	9.5	9
	D	4.7	7		9	6	5.5	4.2
	H	5	8.5		12	5	5.2	8.5
Operating temperature range	-10°C to +60°C							
Automotive use	—	—	—	—	—	—	—	
Rating (max.)/(min.) (Resistive load)	0.1A 12V DC	0.1A 30V DC		0.3A 30V DC	0.1A 30V DC	1mA 5V DC	0.1A 12V DC	
	1mA 5V DC	10μA 1V DC			50μA 3V DC			
Electrical performance	Initial contact resistance	30mΩ max.	25mΩ max.		20mΩ max.	25mΩ max.	100mΩ max.	30mΩ max.
	Insulation resistance	100MΩ min. 500V DC					100MΩ min. 100V DC	100MΩ min. 500V DC
	Voltage proof	500V AC for 1minute					100V AC for 1minute	500V AC for 1minute
Mechanical performance	Terminal strength	3N for 1minute	5N for 1minute			5N for 1minute		
	Actuator strength	Operating direction	30N		50N	10N	5N	30N
		Pulling direction	10N	30N Static force			10N	5N
Durability	Operating life without load	10,000cycles 60mΩ max.	10,000cycles 45mΩ max.		10,000cycles 40mΩ max.	10,000cycles 45mΩ max.	10,000cycles 200mΩ max.	1,000cycles 60mΩ max.
	Operating life with load Load as rating	10,000cycles 80mΩ max.	10,000cycles 65mΩ max.		5,000cycles 60mΩ max.	10,000cycles 65mΩ max.		1,000cycles 80mΩ max.
Environmental performance	Cold	-20±2°C for 96h						
	Dry heat	85±2°C for 96h						
	Damp heat	40±2°C, 90 to 95%RH for 96h						
Soldering	Manual soldering	300±10°C 5s max.	350±10°C 3 ⁺ ₁ s	350±10°C 3 ⁺ ₁ s	350±10°C 3 ⁺ ₁ s	300±10°C 2s max.	350±10°C 3 ⁺ ₁ s	
	Dip soldering	260±5°C 5 ¹ / ₂ s (2times)		260±5°C 10±1s	260±5°C 10±1s	260±10°C 5±1s	260±5°C 10±1s	
	Reflow soldering	—						
Poles-positions	1-2	●	●	●	—	●	—	●
	1-3	●	●	●	—	●	—	—
	1-4	—						
	2-2	●	●	●	●	●	●	—
	2-3	●	●	●	●	●	●	—
	2-4	—						
	4-2	—	●	●	●	—	—	—
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- Slide Switches Cautions176

Note

※The operating temperature range for automotive applications can be raised upon request. Please contact us for details.