

Slide Switch 1.5mm-travel, with External Knob Type

SSAC Series



1.5mm-travel horizontal type with external knob.



Features

- Direct exposure of the knob is possible.
- Solderable by automatic dipping.

Applications

- For the switching signals in AV devices, including portable CD players, headphone stereos, and VCRs
- For switching modes of communication devices including FAX machines and cordless telephones

Typical Specifications

Items		Specifications	
Rating (max.) / (min.) (Resistive load)		1mA 5V DC/50μA 3V DC	
Contact resistance (Initial performance/After lifetime)		100mΩ max./200mΩ max.	
Operating force		2-positions	3-positions
		2.5±1.5N	a, c → b 2±1.5N b → a, c 2.5±1.5N
Operating life	Without load	10,000 cycles	
	With load	10,000 cycles (1mA 5V DC)	

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

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.
1.5	Horizontal	4.4	2	2	Press-in	Non shorting	Manual, dip	100	SSAC120100	1
				3		Not specified			SSAC120200	2

Note

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

For other specifications, see P.150

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Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
1	<p>2-poles, 2-positions</p>	
2	<p>2-poles, 3-positions</p>	

Circuit Diagram (Viewed from the Direction A)

<p>2-poles, 2-positions</p>	<p>2-poles, 3-positions</p>
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Products Specifications

		Series		SSSB	SSAA	SSAC	SSAB	SSST		
Items										
Detector	Operating temperature range		-10°C to +60°C							
Push	Rating (max.) (Resistive load)		0.3A 30V DC	0.1A 30V DC	1mA 5V DC	0.1A 12V DC				
Slide	Electrical performance	Initial contact resistance		20mΩ max.	25mΩ max.	100mΩ max.	30mΩ max.	70mΩ max.		
		Insulation resistance		100MΩ min. 500V DC		100MΩ min. 100V DC	100MΩ min. 500V DC			
		Voltage proof		500V AC for 1 min.		100V AC for 1 min.	500V AC for 1 min.			
Rotary	Robustness of terminal		5N for 1 min.					3N for 1 min.		
Encoders	Power	Robustness of actuator	Operating direction		50N	10N	5N	30N	20N	
Dual-in-line Package Type			Pulling direction		30N Static force			40N	10N	
Multi Control Devices	Custom-Products	Vibration		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						
TACT Switch™		Resistance to soldering heat	Manual soldering		350±10°C 3 ⁺ ½s		300±10°C 2s max.		350±10°C 3 ⁺ ½s	
			Dip soldering		260±5°C 10±1s		260±10°C 5±1s		260±5°C 5 ⁺ ½s	
	Reflow soldering		Please see P.161							
Durability	Operating life without load		10,000 cycles 40mΩ max.	10,000 cycles 45mΩ max.	10,000 cycles 200mΩ max.	1,000 cycles 60mΩ max.		10,000 cycles 100mΩ max.		
	Operating life with load Load : as rating		5,000 cycles 60mΩ max.	10,000 cycles 65mΩ max.		1,000 cycles 80mΩ max.		10,000 cycles 130mΩ max.		
Small size General Use type	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						
Big size General Use type										
Other Use type										