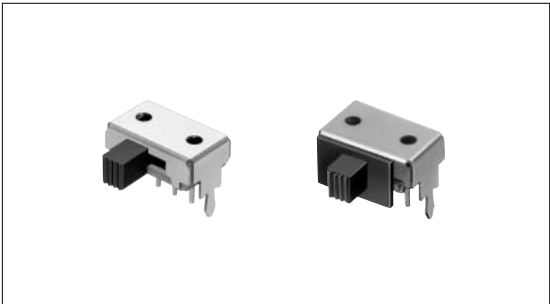


Slide Switch
2mm-travel Type
SSAA Series



A horizontal type slide switch with 2mm-travel.



Typical Specifications

Items		Specifications	
Rating (max.)/(min.) (Resistive load)		0.1A 30V DC/50μA 3V DC	
Contact resistance (Initial performance/After lifetime)		25mΩ max./65mΩ max.	
Operating force		2-positions	3-positions
		2.5±1.5N	b → a, c 3±1.5N a, c → b 2±1.5N
Operating life	Without load	10,000cycles	
	With load	10,000cycles (0.1A 30V 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	With/Without a cover	Actuator lengthn (mm)	Poles	Positions	Mounting method	Changeover timing	Soldering	Minimum order unit (pcs.)	Product No.	Drawing No.	
2	Horizontal	With	4	1	2	Press-in	Non shorting	Manual, Dip	8,000	SSAA110300	1	
			8				SSAA110200					
			4		3		Not specified			SSAA110600	2	
			8				SSAA110500					
			4	2	2		Non shorting			SSAA120400	3	
			8		SSAA120200							
			4		3		Not specified			SSAA120700	4	
			8							SSAA120600		
		Without	4	1	2		SSAA110100			5		
				2			SSAA120300			6		

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(integer).

Cover Integrated Type

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
1	1-pole, 2-positions	
2	1-pole, 3-positions	
3	2-poles, 2-positions	
4	2-poles, 3-positions	

Dimensions
Without Cover Type

Unit:mm

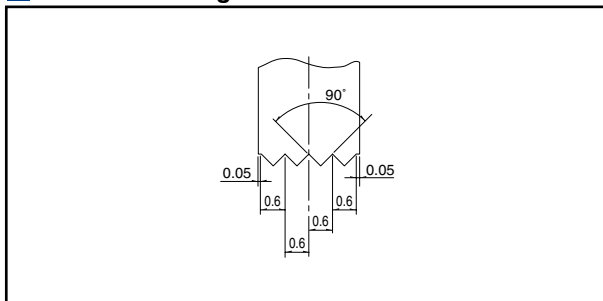
No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
5	1-pole, 2-positions	
6	2-poles, 2-positions	

Circuit Diagram (Viewed from Direction A)

1-pole, 2-positions	1-pole, 3-positions	2-poles, 2-positions	2-poles, 3-positions
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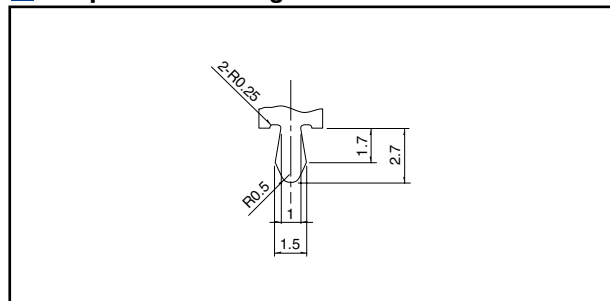
Actuator Configuration

Unit:mm



Shape of Frame Leg

Unit:mm



Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

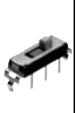
Custom-
Products

Small size
General Use type

Big size
General Use type

Other Use type

List of Varieties

Series		SSAG	SSAH	SSAD	SSSS8	SSSS7 ※	SSSS2	SSSS9 ※	SSSF ※	SSSU ※	SSSB	SSST	SSAA ※	SSAC	SSAB	
Photo																
Outline specifications	Travel (mm)	1.5			1.5 2		2			3		4		2	1.5	1.9 2
	Actuator direction	Horizontal			Vertical Horizontal	Horizontal	Vertical Horizontal				Vertical		Horizontal		Vertical Horizontal	
	Number of poles	1			1 2				1 2 4		2 4	1	1 2	2	1	
Dimensions (mm)		W	9.05	9.5	6.7	11.2	8.8	13	14	16.5	24.5	29	13	12.4	9.5	9
		D	3		3.2	2.6	3	3.5	4.7	7		9	4.3	6	5.5	4.2
		H	1.15	0.9	0.7	1.4	2		5	8.5		12	3.5	5	5.2	8.5
Operating temperature range		-10℃ to +60℃			-40℃ to +85℃	-10℃ to +60℃										
Rating (max.)/(min.) (Resistive load)		10mA 5V DC		1mA 5V DC		0.3A 4V DC		0.3A 6V DC	0.1A 12V DC	0.1A 30V DC		0.3A 30V DC	0.1A 12V DC	0.1A 30V DC	1mA 5V DC	0.1A 12V DC
		50μA 3V DC														
Electrical performance	Initial contact resistance	200mΩ max.		100mΩ max.	70mΩ max.			30mΩ max.	25mΩ max.		20mΩ max.	70mΩ max.	25mΩ max.	100mΩ max.	30mΩ max.	
	Insulation resistance	100MΩ min. 100V DC				100MΩ min. 500V DC									100MΩ min. 100V DC	100MΩ min. 500V DC
	Voltage proof	100V AC for 1minute				500V AC for 1minute									100V AC for 1minute	500V AC for 1minute
Mechanical performance	Robustness of terminal	3N for 1minute						5N for 1minute			3N for 1minute	5N for 1minute				
	Robustness of actuator	Operating direction	10N		5N	10N	20N	30N		50N	20N	10N	5N	30N		
Pulling direction	10N Static force			10N	30N Static force		10N									
Durability	Operating life without load	10,000cycles	10,000cycles	10,000cycles		100mΩ max.※2		10,000cycles 60mΩ max.	10,000cycles 45mΩ max.		10,000cycles 40mΩ max.	10,000cycles 100mΩ max.	10,000cycles 45mΩ max.	10,000cycles	1,000cycles 60mΩ max.	
	Operating life without load Load as rating	500mΩ max.	300mΩ max.	10,000cycles 200mΩ max.	10,000cycles 130mΩ max.※2		10,000cycles 80mΩ max.	10,000cycles 65mΩ max.		5,000cycles 60mΩ max.	10,000cycles 130mΩ max.	10,000cycles 65mΩ max.	200mΩ max.	10,000cycles 80mΩ max.		
Environmental performance	Cold	-40±2℃ for 96h		-20±2℃ for 96h												
	Dry heat	85±2℃ for 96h														
	Damp heat	40±2℃, 90 to 95%RH for 96h														
Soldering	Manual soldering	350±5℃ 3s max.		300±5℃ 5s max.		260±5℃ 3s max.	350±10℃ 4s max.	300±10℃ 5s max.	350±10℃ 5s max.	350±10℃ 3+1s		350±10℃ 3s max.	300±10℃ 3+1s	300±10℃ 2s	350±10℃ 3+1s	
	Dip soldering						260±5℃ 3±1s	260±5℃ 5s		260±5℃ 10±1s		260±5℃ 5s	260±10℃ 10±1s	260±10℃ 5±1s	260±5℃ 10±1s	
	Reflow soldering	Please see P.154														
Poles-positions	1-2	—	—	●	●	●	●	●	●	●	—	●	●	—	●	
	1-3	●	●	—	●	●	●	●	●	●	—		●	—		
	1-4	—			●	—	●	—								
	2-2	—			●	—	●	●	●	●	●	—	●	●	—	
	2-3	—			●	—	●	●	●	●	●	—	●	●	—	
	2-4	—					●	—								
	4-2	—							●	●	●	—				
Page		112	115	117	119	123	126	130	135	139	143	146	147	150	152	

- Slide Switches Soldering Conditions 154
- Slide Switches Cautions 155

Note

※The operating temperature range for automotive applications can be raised upon request. Please contact us for requirements of this kind.