

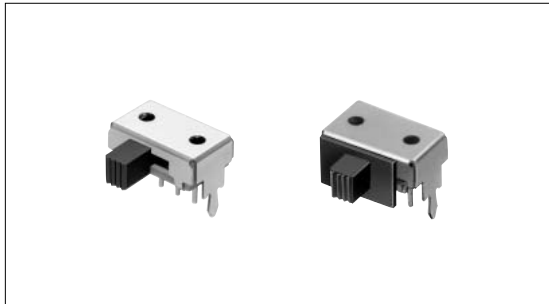
Slide Switch 2mm-travel Type

SSAA Series

www.DataSheet4U.com



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)		25m max./65m 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

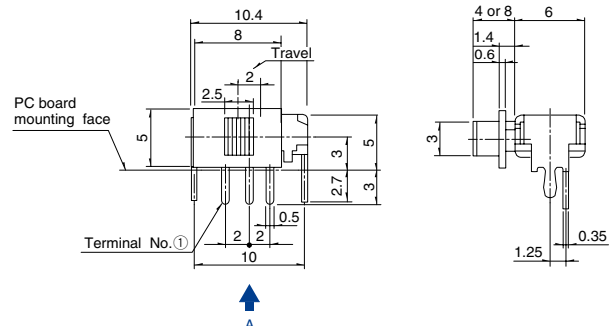
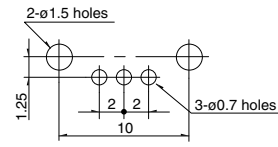
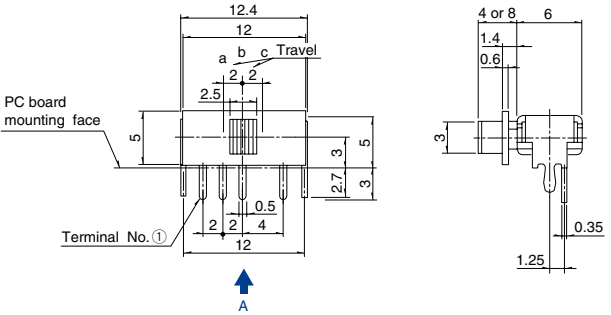
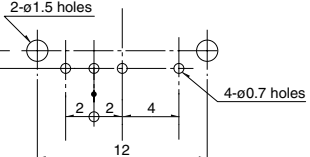
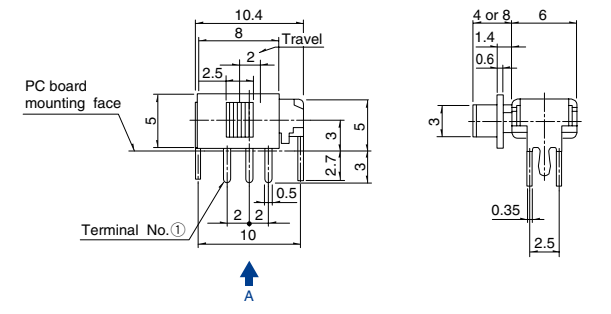
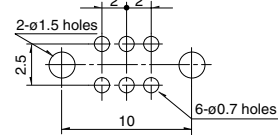
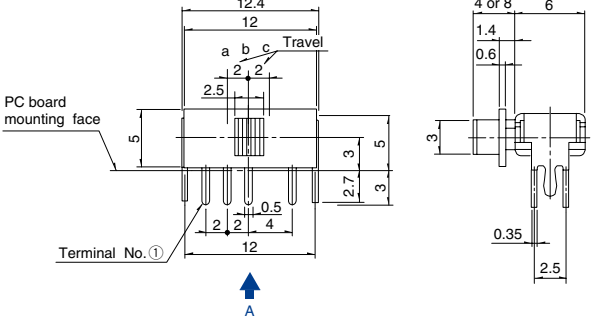
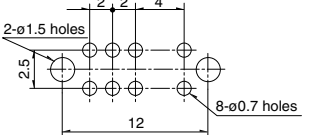
Travel (mm)	Actuator direction	With/Without a cover	Actuator lengthn (mm)	Poles	Positions	Mounting method	Changeover timing	Soldering	Minimum order unit (pcs.)	Product No.	Drawing No.
2	Horizontal	With	4	1	2	Press-in	Non shorting	Manual, Dip	8,000	SSAA110300	1
			8							SSAA110200	
			4		3					SSAA110600	2
			8							SSAA110500	
			4	2	2		SSAA120400			3	
			8				SSAA120200				
			4		3		SSAA120700			4	
			8				SSAA120600				
		Without	4	1	2	Not specified	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).

Dimensions
Cover Integrated Type

Unit:mm

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

Dimensions
Without Cover Type

Unit:mm

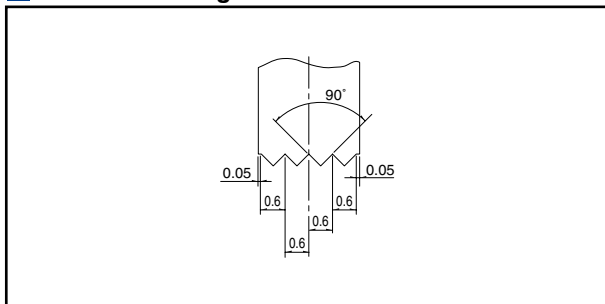
No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
5	<p>1-pole, 2-positions</p>	
6	<p>2-poles, 2-positions</p>	

Circuit Diagram (Viewed from Direction A)

<p>1-pole, 2-positions</p>	<p>1-pole, 3-positions</p>	<p>2-poles, 2-positions</p>	<p>2-poles, 3-positions</p>
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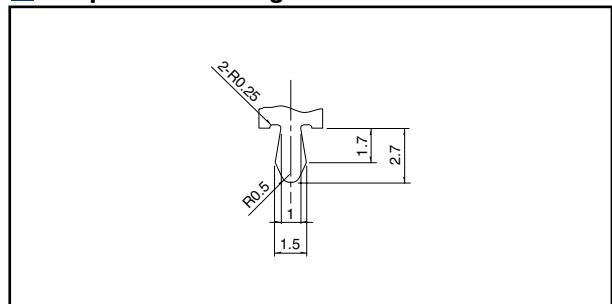
Actuator Configuration

Unit:mm



Shape of Frame Leg

Unit:mm



Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™










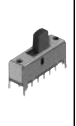
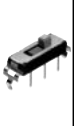


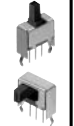
Custom-
Products

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	200m max.		100m max.	70m max.			30m max.	25m max.		20m max.	70m max.	25m max.	100m max.	30m max.		
	Insulation resistance	100M min. 100V DC				100M min. 500V DC										100M min. 100V DC	100M 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	10N		5N	10N	20N	30N		50N	20N	10N	5N	30N	40N			
Durability	Operating life without load	10,000cycles 500m max.	10,000cycles 300m max.	10,000cycles 100m max. 2		10,000cycles 60m max.	10,000cycles 45m max.		10,000cycles 40m max.	10,000cycles 100m max.	10,000cycles 45m max.	10,000cycles 200m max.	1,000cycles 60m max.				
	Operating life without load Load as rating	10,000cycles 200m max.	10,000cycles 130m max. 2	10,000cycles 80m max.	10,000cycles 65m max.		5,000cycles 60m max.	10,000cycles 130m max.	10,000cycles 65m max.	200m max.	10,000cycles 80m 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 5 ± 1s	260 ± 5 10 ± 1s		260 ± 5 5 ± 1s	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	—				—	—										
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- Detector
- Push
- Slide**
- Rotary
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- Power
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- Other Use type

Note

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