

Slide Switch 12(H)mm, 4mm-travel Type

SSSB Series



Long 4mm-travel large-size general-purpose switch with reliable operational feel.

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

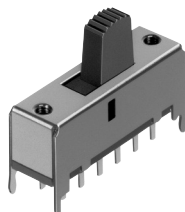
TACT Switch™

Custom-
Products

Small size
General Use type

Big size
General Use type

Other Use type



Typical Specifications

Items		Specifications
Rating (max.) / (min.) (Resistive load)		0.3A 30V DC/10μA 1V DC
Contact resistance (Initial performance/After lifetime)		20mΩ max./60mΩ max.
Operating force		Refer to the dimensions.
Operating life	Without load	10,000cycles
	With load	5,000cycles (0.3A 30V DC)

Product Line

Travel (mm)	Actuator direction	Actuator length (mm)	Poles	Positions	Mounting method	Changeover timing	Soldering	Minimum order unit (pcs.)	Products No.	Drawing No.
4	Vertical	6	2	2	Press-in	Non shorting	Manual, Dip	1,500	SSSB021500	1
		9							SSSB022200	
		12							SSSB022700	
		6	4	3				1,000	SSSB02E300	2
				2					SSSB042000	3

Packing Specifications

Bulk

Product No.	Number of packages (pcs.)		Export package measurements (mm)
	1 case /Japan	1 case /export packing	
SSSB021500 SSSB022200 SSSB022700	300	1,500	400 × 270 × 290
SSSB02E300 SSSB042000	200	1,000	

Notes

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

Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from direction A)
1	2-poles, 2-positions Operating force with detent : 3.5N l : shaft length	
2	2-poles, 3-positions Operating force with detent : $a \rightarrow b$ $c \rightarrow b$ } 3N $b \rightarrow a$ $b \rightarrow c$ } 6N l : shaft length	
3	4-poles, 2-positions Operating force with detent : 4.5N l : shaft length	

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

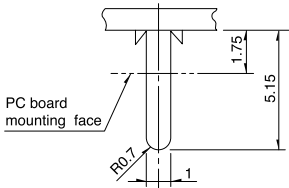
Slide Switch

12(H)mm, 4mm-travel Type | SSSB Series

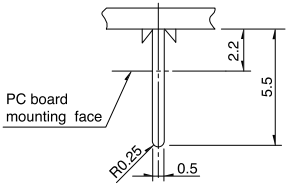
Terminal Configuration

Unit:mm

2-positions

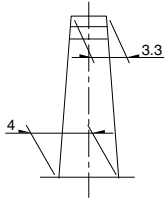
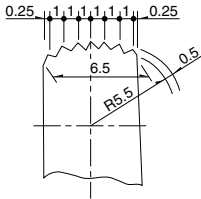
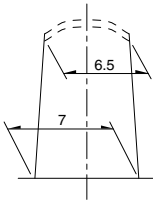


3-positions



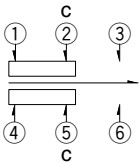
Actuator Configuration

Unit:mm

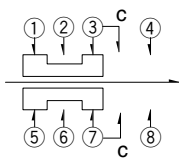


Circuit Diagram (Viewed from Direction A)

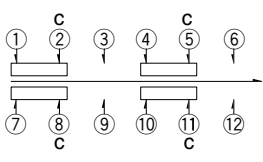
2-poles, 2-positions
Drawing No. : 1



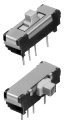
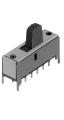
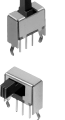
2-poles, 3-positions
Drawing No. : 2



4-poles, 2-positions
Drawing No. : 3



List of Varieties

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℃ to +60℃							
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 Pulling direction	30N		50N	10N	5N	30N	
			10N	30N Static force				40N	
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 without 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℃ for 96h							
	Dry heat	85±2℃ for 96h							
	Damp heat	40±2℃, 90 to 95%RH for 96h							
Soldering	Manual soldering	300±10℃ 5s max.	350±10℃ 3 ⁺¹ ₋₀ s	350±10℃ 3 ⁺¹ ₋₀ s		350±10℃ 3 ⁺¹ ₋₀ s	300±10℃ 2s max.	350±10℃ 3 ⁺¹ ₋₀ s	
	Dip soldering	260±5℃ 5 ^s s (2times)		260±5℃ 10±1s		260±5℃ 10±1s	260±10℃ 5±1s	260±5℃ 10±1s	
	Reflow soldering	—							
Poles-positions	1-2	●	●	●	—	●	—	●	
	1-3	●	●	●	—	●	—		
	1-4	—							
	2-2	●	●	●	●	●	●	—	
	2-3	●	●	●	●	●	●	—	
	2-4	—							
	4-2	—	●	●	●	—			
Page		152	157	161	165	168	171	173	

- Slide Switches Soldering Conditions175
- Slide Switches Cautions176

Note

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