

Slide Switch 8.5(H)mm, 3mm-travel Type

SSSU Series



Large-size general purpose type with various knobs.

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

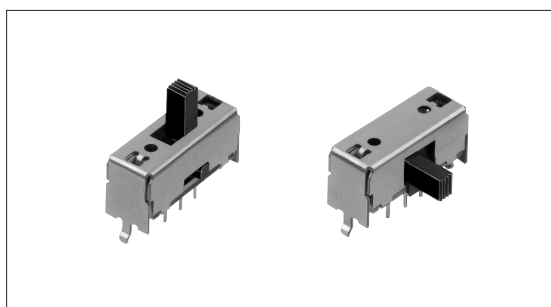
TACT Switch™

Custom-
Products

Small size
General Use type

Big size
General Use type

Other Use type



Typical Specifications

Items		Specifications
Rating (max.) / (min.) (Resistive load)		0.1A 30V DC/10μA 1V DC
Contact resistance (Initial performance/After lifetime)		25mΩ max./65mΩ max.
Operating force		Refer to the dimensions.
Operating life	Without load	10,000cycles
	With load	10,000cycles (0.1A 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.				
3	Vertical	6	1	2	Snap-in (t1.6)	Non shorting	Manual, Dip	2,000	SSSU011700	1				
		9							SSSU012200					
		6		3				2,500	SSSU014800	2				
		9									SSSU015100			
		6	2	2				2,000	SSSU022400	3				
		9							SSSU022800					
		6		3				2,500	SSSU025800	4				
		9										SSSU026300		
		6	4	2					SSSU041700	5				
		9							SSSU042100					
	Horizontal	6	1	3				3,500	SSSU111400	6				
								2,500	SSSU113200	7				
		9	2	2				3,500	SSSU121700	8				
									SSSU122200					
								2,000	SSSU124900	9				

Packing Specifications

Bulk

Products No.	Number of packages (pcs.)		Export package measurements (mm)
	1 case /Japan	1 case /export packing	
SSSU011700, SSSU012200, SSSU022400, SSSU022800, SSSU124900	400	2,000	400 × 270 × 290
SSSU014800, SSSU015100, SSSU025800, SSSU042100, SSSU026300, SSSU041700, SSSU113200	500	2,500	
SSSU111400, SSSU121700, SSSU122200	700	3,500	

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.
3. Please place purchase orders per minimum order unit N (integer).

Vertical Actuator Type

Unit:mm

Other Use type

Slide Switch
8.5(H)mm, 3mm-travel Type | SSSU Series

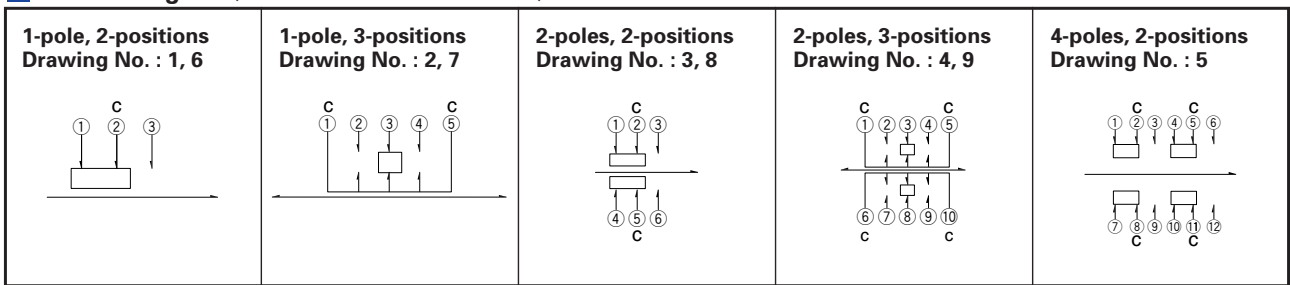
Dimensions

Horizontal Actuator Type

Unit:mm

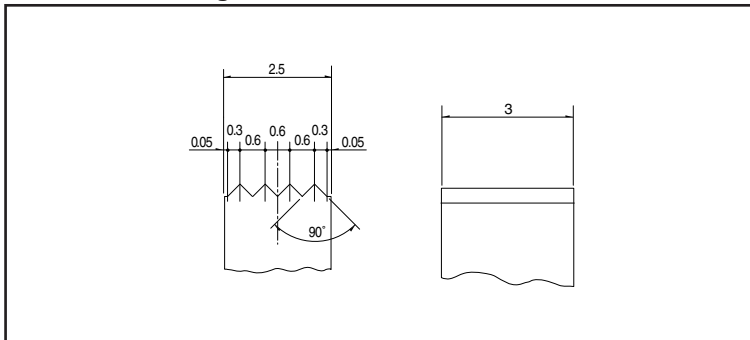
No.	Style	PC board mounting hole dimensions (Viewed from direction A)
6	1-pole, 2-positions PC board mounting face Terminal No.① Operating force with detent : 2N l : shaft length	
7	1-pole, 3-positions PC board mounting face Terminal No.① Operating force with detent : $a \rightarrow b$ 1.5N $b \rightarrow c$ 2N l : shaft length	
8	2-poles, 2-positions PC board mounting face Terminal No.① Operating force with detent : 2N l : shaft length	
9	2-poles, 3-positions PC board mounting face Terminal No.① Operating force with detent : $a \rightarrow b$ 1.5N $b \rightarrow c$ 2N l : shaft length	

Circuit Diagram (Viewed from Direction A)



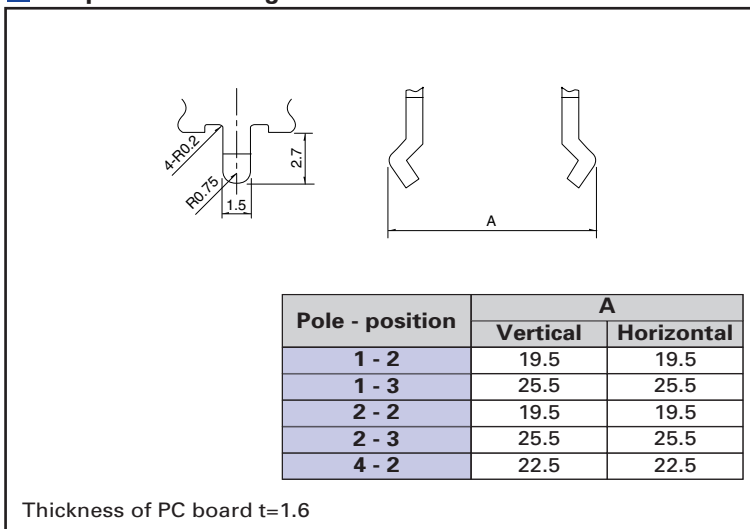
Actuator Configuration

Unit:mm



Shape of Frame Leg

Unit:mm



Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

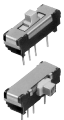
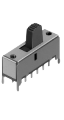
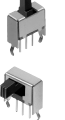
Custom-
Products

Small size
General Use type

Big size
General Use type

Other Use type

List of Varieties

Series		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	8.5
	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℃ 5s (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.