

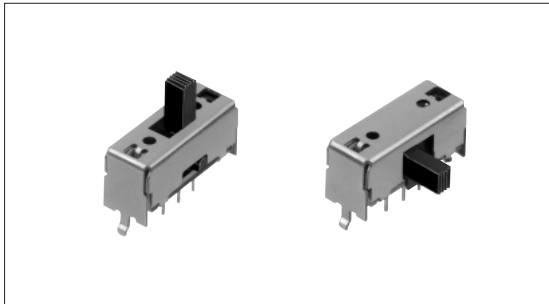
Slide Switch 8.5(H)mm, 3mm-travel Type

SSSU Series



Large-size general purpose type with various knobs.

Detector
Push
Slide
Rotary
Encoders
Power



Typical Specifications

Items		Specifications
Rating (max.) / (min.) (Resistive load)		0.1A 30V DC/50 μ A 3V DC
Contact resistance (Initial performance/After lifetime)		25m Ω max./65m Ω max.
Operating force		Refer to the dimensions.
Operating life	Without load	10,000cycles
	With load	10,000cycles (0.1A 30V DC)

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	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	2	3				2,500	SSSU014800	2
		9		SSSU015100						
		6	2	2				2,000	SSSU022400	3
		9		SSSU022800						
	6	3	4	2				2,500	SSSU025800	4
	9								SSSU026300	
	Horizontal	6	1	3				2,500	SSSU041700	5
				2					SSSU042100	
		9	2	2				3,500	SSSU111400	6
				3					SSSU113200	
6		2	2	3,500	SSSU121700	8				
			3		SSSU122200					
9	2	3	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	

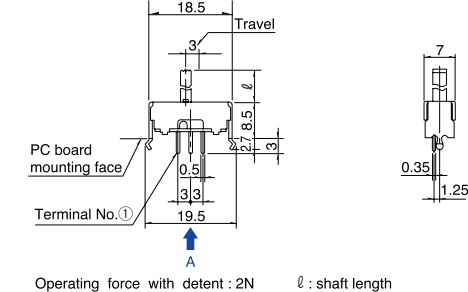
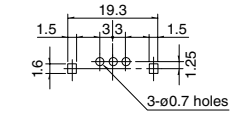
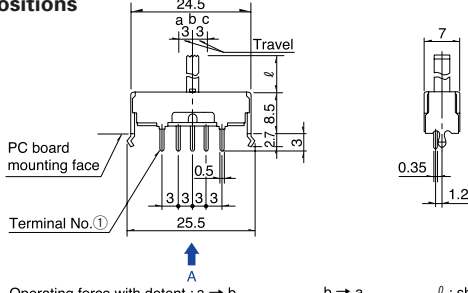
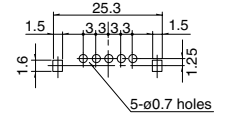
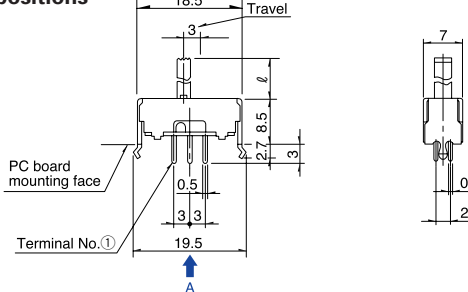
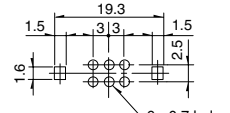
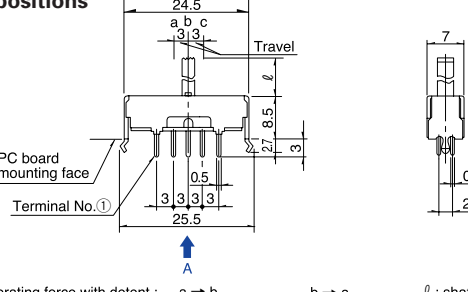
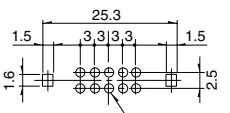
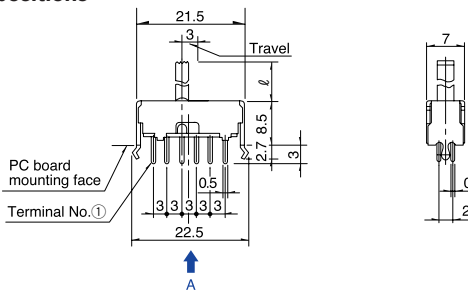
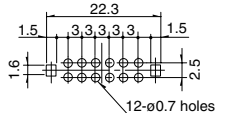
Notes

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).

Dimensions

Vertical Actuator Type

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
1	<p>1-pole, 2-positions</p>  <p>Operating force with detent : 2N l : shaft length</p>	 <p>3-ø0.7 holes</p>
2	<p>1-pole, 3-positions</p>  <p>Operating force with detent : $a \rightarrow b$ } 1.5N $b \rightarrow c$ } 2N l : shaft length</p>	 <p>5-ø0.7 holes</p>
3	<p>2-poles, 2-positions</p>  <p>Operating force with detent : 2N l : shaft length</p>	 <p>6-ø0.7 holes</p>
4	<p>2-poles, 3-positions</p>  <p>Operating force with detent : $a \rightarrow b$ } 1.5N $b \rightarrow c$ } 2N l : shaft length</p>	 <p>10-ø0.7 holes</p>
5	<p>4-poles, 2-positions</p>  <p>Operating force with detent : 2N l : shaft length</p>	 <p>12-ø0.7 holes</p>

Detector

Push

Slide

Rotary

Encoders

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Dual-in-line
Package Type

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**Custom-
Products**

Small size
General Use type

**Big size
General Use type**

Other Use type

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

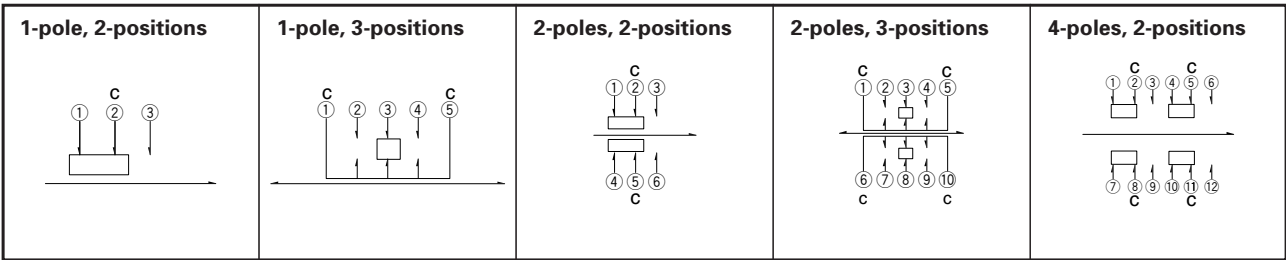
Dimensions

Horizontal Actuator Type

Unit:mm

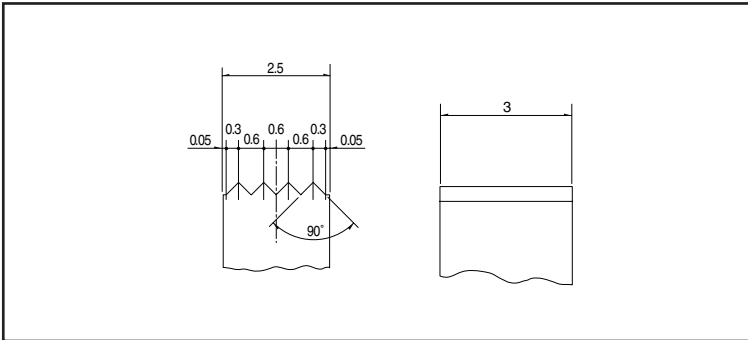
No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
6	<p>1-pole, 2-positions</p> <p>Operating force with detent : 2N l : shaft length</p>	<p>3-ϕ0.7 holes</p>
7	<p>1-pole, 3-positions</p> <p>Operating force with detent : $a \rightarrow b > 1.5N$ $b \rightarrow a > 2N$ $c \rightarrow b > 2N$ l : shaft length</p>	<p>5-ϕ0.7 holes</p>
8	<p>2-poles, 2-positions</p> <p>Operating force with detent : 2N l : shaft length</p>	<p>6-ϕ0.7 holes</p>
9	<p>2-poles, 3-positions</p> <p>Operating force with detent : $a \rightarrow b > 1.5N$ $b \rightarrow a > 2N$ $c \rightarrow b > 2N$ l : shaft length</p>	<p>10-ϕ0.7 holes</p>

Circuit Diagram (Viewed from Direction A)



Actuator Configuration

Unit:mm



Shape of Frame Leg

Unit:mm

Pole - position	A	
	Vertical	Horizontal
1 - 2	19.5	19.5
1 - 3	25.5	25.5
2 - 2	19.5	19.5
2 - 3	25.5	25.5
4 - 2	22.5	22.5

Thickness of PC board t=1.6

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List of Varieties



Series		SSSF ※	SSSU ※	SSSB	SSST	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	
Dimensions (mm)	W	16.5	24.5	29	13	12.4	9.5	9	
	D	7		9	4.3	6	5.5	4.2	
	H	8.5		12	3.5	5	5.2	8.5	
Operating temperature range		-10°C to +60°C							
Rating (max.) / (min.) (Resistive load)		0.1A 30V DC		0.3A 30V DC	0.1A 12V DC	0.1A 30V DC	1mA 5V DC	0.1A 12V DC	
Electrical performance		25mΩ max.		20mΩ max.	70mΩ 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		5N for 1minute			3N for 1minute	5N for 1minute			
Actuator strength	Operating direction	30N		50N	20N	10N	5N	30N	
	Pulling direction	30N Static force			10N			40N	
Durability	Operating life without load	10,000cycles 45mΩ max.		10,000cycles 40mΩ max.	10,000cycles 100mΩ max.	10,000cycles 45mΩ max.	10,000cycles 200mΩ max.	1,000cycles 60mΩ max.	
	Operating life without load Load:as rating	10,000cycles 65mΩ max.		5,000cycles 60mΩ max.	10,000cycles 130mΩ max.	10,000cycles 65mΩ max.		1,000cycles 80mΩ max.	
Environmental performance		Cold -20°C for 96h							
Dry heat		85±2°C for 96h							
Damp heat		40±2°C, 90~95%RH for 96h							
Soldering	Manual soldering	350±10°C 3 [±] ₀	350±10°C 3 [±] ₀ s	350±10°C 3s max.	350±10°C 3 [±] ₀ s	300±10°C 2s max.	350±10°C 3 [±] ₀ s		
	Dip soldering	260±5°C 5 [±] ₀ s (2回)	260±5°C 10±1s	260±5°C 5 [±] ₀ s	260±5°C 10±1s	260±10°C 5±1s	260±5°C 10±1s		
	Reflow soldering	—							
Poles-positions	1-2	●	●	—	●	●	—	●	
	1-3	●	●	—	—	●	—	—	
	1-4	—							
	2-2	●	●	●	—	●	●	—	
	2-3	●	●	●	—	●	●	—	
	2-4	—							
	4-2	●	●	●	—				
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Note

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