

Slide Switch

1.9/2mm-travel, for Modulator Switching Type

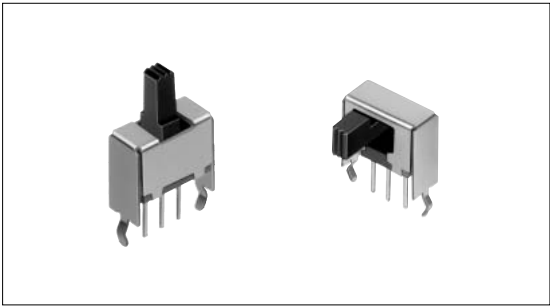
SSAB Series

www.DataSheet4U.com



4.2mm body width contribute in space saving.

- 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

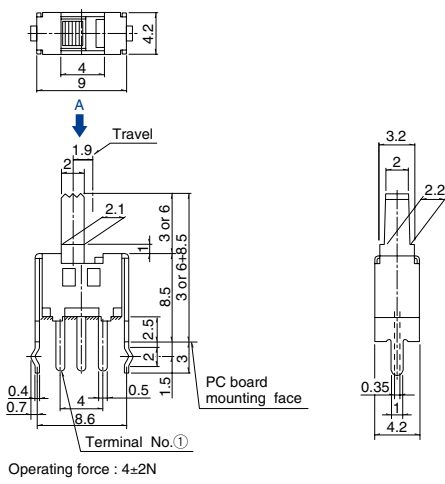
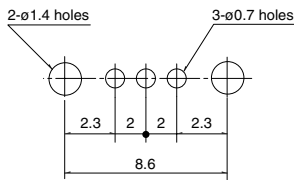
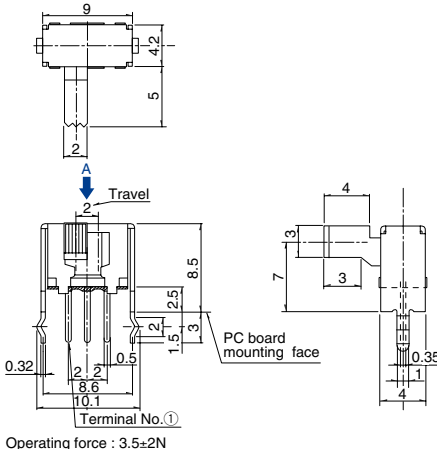
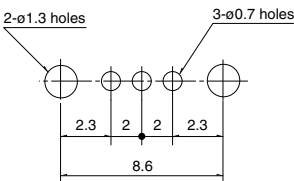
Items		Specifications
Rating (max.)/(min.) (Resistive load)		0.1A 12V DC/50μA 3V DC
Contact resistance (Initial performance/After lifetime)		30mΩ max./80mΩ max.
Operating force		Refer to the dimensions.
Operating life	Without load	1,000cycles
	With load	1,000cycles (0.1A 12V DC)

Product Line

Travel (mm)	Actuator direction	Actuator length (mm)	Poles	Positions	Mounting method	Changeover timing	Soldering	Minimum order unit (pcs.)	Product No.	Drawing No.
1.9	Vertical	3	1	2	Snap-in (t1.2)	Non shorting	Manual, Dip	10,000	SSAB010200	1
		6							SSAB010100	
2	Horizontal	5							SSAB110100	2

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(integer).

Dimensions		Unit:mm
No.	Style	PC board mounting hole dimensions (Viewed from the direction A)
1	Vertical  Operating force : 4±2N	
2	Horizontal  Operating force : 3.5±2N	

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

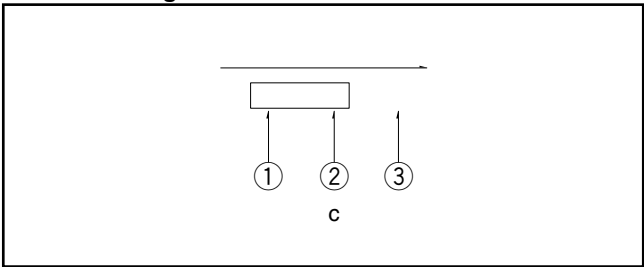
Custom-
Products

Small size
General Use type

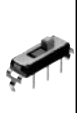
Big size
General Use type

Other Use type

Circuit Diagram (Viewed from Direction A)



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°C to +60°C			-40°C to +85°C		-10°C to +60°C									
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	40N					
Durability	Operating life without load	10,000cycles 500mΩ max.	10,000cycles 300mΩ max.	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 200mΩ max.	1,000cycles 60mΩ max.		
	Operating life without load Load as rating			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.	10,000cycles 200mΩ max.	10,000cycles 80mΩ max.	
Environmental performance	Cold	-40±2°C for 96h		-20±2°C for 96h												
	Dry heat	85±2°C for 96h														
	Damp heat	40±2°C, 90 to 95%RH for 96h														
Soldering	Manual soldering	350±5°C 3s max.		300±5°C 5s max.		260±5°C 3s max.	350±10°C 4s max.	300±10°C 5s max.	350±10°C 5s max.	350±10°C 3+1s		350±10°C 3s max.	300±10°C 3+1s	300±10°C 2s	350±10°C 3+1s	
	Dip soldering						260±5°C 3±1s	260±5°C 5s		260±5°C 10±1s		260±5°C 5s	260±10°C 10±1s	260±10°C 5±1s	260±5°C 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 Conditions154

● Slide Switches Cautions155

Note

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