

## Index for Function

Series		SSAD	SSSS8	SSSS7	SSSS2	SSSS9	SSSF	SSSU	SSSB	SSST	SSAA	SSAC	SSAB		
Power	Photo														
Slide	Travel (mm)	1.5	1.5 2	2				3	4		2	1.5	1.9 2		
	Operating section 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		
Rotary	Encoder	Dimensions (mm)	W	6.7	11.2	8.8	13	14	16.5	24.5	29	13	12.4	9.5	9
			D	3.2	2.6	3	3.5	4.7	7		9	4.3	6	5.5	4.2
			H	0.7	1.4	2	3.5	5	8.5		12	3.5	5	5.2	8.5
Jog Shuttle	Telephone-hook	Soldering	Manual /Dip soldering	●	●	●	●	●	●	●	●	●	●	●	
			Reflow soldering	●	●	●	●	—				●	—		
TACT	Poles-positions	1-2	●	●	●	●	●	●	●	—	●	●	—	●	
		1-3	—	●	●	●	●	●	●	—		●	—		
		1-4	—	●	—	●	—								
		2-2	—	●	●	●	●	●	●	●	—	●	●	—	
		2-3	—	●	—	●	●	●	●	●	—	●	●	—	
		2-4	—			●	—								
		4-2	—				●	●	●	—					
Small size General Use type	Lead free※1	●	●	●	●	●	●	●	●	●	●	●	●		
Big size General Use type	Minimum packing unit (pcs.)※2※3	※4		※4 100	※4 100	100				※4 100	100				
Other Use type	Page	99	101	106	109	114	120	125	130	133	135	138	140		

- Slide Switches Products Specifications .....142,143
- Slide Switches Soldering Conditions .....144
- Slide Switches Taping Specifications .....145
- Slide Switches Caution .....146

### Notes

1. ※1. ● mark : This product series do not contain any lead in all materials and parts.
2. ※2. Place your purchase order in N minimum package units (N: integer).
3. ※3. Ask us for the export packaging unit.
4. ※4. For reflow type, one reel is the minimum packing unit. (see P.145)

## Products Specifications

Items		Series	SSAD	SSSS8	SSSS7	SSSS2	SSSS9	SSSF	SSSU
		Operating temperature range		-10°C to +60°C					
Power	Rating (max.) (Resistive load)		1mA 5V DC	0.3A 4V DC		0.3A 6V DC	0.1A 12V DC	0.1A 30V DC	
Push	Electrical performance	Initial contact resistance	100mΩ max.	70mΩ max.			30mΩ max.	25mΩ max.	
Slide		Insulation resistance	100MΩ min. 100V DC		100MΩ min. 500V DC				
Rotary		Voltage proof	100V AC for 1 min.		500V AC for 1 min.				
Encoders	Mechanical performance	Robustness of terminal	3N for 1 min.					5N for 1 min.	
Jog Shuttle		Robustness of actuator	Operating direction	5N	10N	20N	30N		
Telephone-hook			Pulling direction	5N	10N static force		10N	30N static force	
Detector		Vibration	10 to 55 to 10Hz/min., the amplitude is 1.5mm for all the frequencies, in the 3 direction of X, Y and Z for 2 hours respectively						
Vibration/Tilt Sensors	Solderability		230±5°C, 3±0.5s						
Dual-in-line Package Type	Resistance to soldering heat	Manual soldering	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 <sup>+1</sup> <sub>0</sub> s	
Multi Control Devices		Dip soldering	—			260±5°C 5 <sub>-0</sub> s		260±5°C 10±1s	
TACT		Reflow soldering	Please see P.144				—		
Durability	Operating life without load		10,000 cycles 100mΩ max.			10,000 cycles 60mΩ max.	10,000 cycles 45mΩ max.		
	Operating life with load Load : As rating		10,000 cycles 200mΩ max.	10,000 cycles 130mΩ max.		10,000 cycles 80mΩ max.	10,000 cycles 65mΩ max.		
Environmental performance	Cold		-20±2°C for 96h						
	Dry heat		85±2°C for 96h						
	Damp heat		40±2°C, 90 to 95%RH for 96h						

### Note

Horizontal type products in SSSS2 Series with one pole and 2 positions are not dip solderable.

## Products Specifications

Items		Series	SSSB	SSAA	SSAC	SSAB	SSST	
Operating temperature range		-10°C to +60°C						
Rating (max.) (Resistive load)		0.3A 30V DC	0.1A 30V DC	1mA 5V DC (Rating)	0.1A 12V DC			
Electrical performance	Initial contact resistance	20mΩ max.	25mΩ max.	100mΩ max.	30mΩ max.	70mΩ max.		
	Insulation resistance	100MΩ min. 500V DC		100MΩ min. 100V DC	100MΩ min. 500V DC			
	Voltage proof	500V AC for 1 min.		100V AC for 1 min.	500V AC for 1 min.			
Mechanical performance	Robustness of terminal	5N for 1 min.					3N for 1 min.	
	Robustness of actuator	Operating direction	50N	10N	5N	30N	20N	
		Pulling direction	30N static force			40N	10N	
	Vibration		10 to 55 to 10Hz/min., the amplitude is 1.5mm for all the frequencies, in the 3 direction of X, Y and Z for 2 hours respectively					
	Solderability		230±5°C, 3±0.5s					
	Resistance to soldering heat	Manual soldering	350±10°C 3 <sup>+</sup> 1s		300±10°C 2s max.	350±10°C 3 <sup>+</sup> 1s	350±10°C 3s max.	
		Dip soldering	260±5°C 10±1s		260±10°C 5±1s	260±5°C 10±1s	260±5°C 5 <sup>+</sup> 1s	
Reflow soldering							Please see P.144	
Durability	Operating life without load	10,000 cycles 40mΩ max.	10,000 cycles 45mΩ max.	10,000 cycles 200mΩ max.	1,000 cycles 60mΩ max.	10,000 cycles 100mΩ max.		
	Operating life with load Load : As rating	5,000 cycles 60mΩ max.	10,000 cycles 65mΩ max.	10,000 cycles 200mΩ max.	1,000 cycles 80mΩ max.	10,000 cycles 130mΩ max.		
Environmental performance	Cold	-20±2°C for 96h						
	Dry heat	85±2°C for 96h						
	Damp heat	40±2°C, 90 to 95%RH for 96h						

Power

Push

Slide

Rotary

Encoders

Jog Shuttle

Telephone-hook

Detector

Vibration/Tilt Sensors

Dual-in-line Package Type

Multi Control Devices

TACT

Small size  
General Use typeBig size  
General Use type

Other Use type