Detection from both left and right directions contributes to improved and flexible design of the set mechanism







■ Typical Specifications

Ite	ms	Specifications		
Rating (max.)/(min.) (Resistive load)		0.1A 12V DC / 50 μA 3V DC		
Contact resistance (Initial / After operating life)		100 m Ω max. $/$ 300 m Ω max.		
Operating force		0.7N max.		
Operating life	Without load	50,000cycles		
Operating life	With load	50,000cycles (0.1A 12V DC)		

Product Line

Poles	Poles Positions Changeover		Terminal type	Mounting method	Minimum order unit (pcs)		Product No.	Drawing No.
1 0103		timing		Wodriting method	Japan	Export	110000110.	Brawing 146.
			For PC board	PC board			SSCF110100	1
1 2	2 Non shorting	FOI PC DOdiu	- Screw PC board with hook	600 3,	3,000	SSCF210100	2	
		For Lead				SSCF210300	3	
		For PC board				SSCF310100	4	

Packing Specifications

Bulk

Number of pa	Export package measurements (mm)	
1 case /Japan 1 case /export packing		
600	3,000	400×270×290

Din	nensions		Unit:mm
No.	Photo	Style	PC board mounting hole dimensions
1	For PC board	Travel Momentary OFF 36' 18' 36' 36' 38' 3.9 2 18' 27' (7) (7) (7) (7) 22 (2) 2 PC board mounting face mounting face 11 2.5	P2.5 5-ø0.9 hole

Dimensions

Photo

For PC board

No.

(Screw mounting) OFF 2 Terminal No.① For Lead (Screw mounting) 3 PC board mounting face 0.83 Terminal No.1 For PC board PC board mounting hole OFF (With hook) dimensions (7) (7) PC board mounting face Terminal No.1

Style

Unit:mm

Circuit Diagram

For Lead

For PC board

Terminal Type
For PC board

0.6 0.6

For Lead

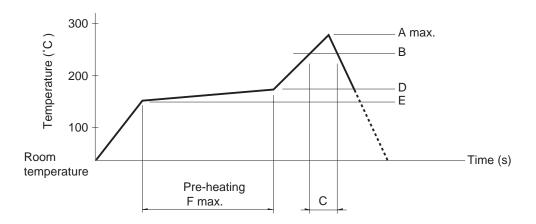
Series		General-purpose Type						
	Delles	SSCT	SSCF	SSCW	SSCL			
Photo								
Oper	ation type	Two-way						
	W	12.5	11	13.1	11			
Dimensio (mm)	ns D	5	5.8	11.35	16.1			
	Н	11.5	12.4	5.	.3			
Operating to	emperature range		-40℃ t	o +85℃				
Autor	motive use	•	•	•	•			
Life cycle	e (availability)	*3	* 3	*3	★3			
Poles	/ Positions	1,	/2	1/1	1/2			
Rating (max.) (Resistive load) 0.1A 12V DC								
	ng (min.) stive load)	50μA 3V DC		100μA 3V DC	50μA 5V DC			
	Operating life without load	10.000 cycles 500 m Ω max.	50,000cycles 300mΩ max.	100.000cycles 1Ω max.	50,000cycles 1Ω max.			
Durability	Operating life with load Rating (max.) (Resistive load)	10,000cycles 500mΩ max.	50,000cycles 300mΩ max.	100,000cycles 1Ω max.	50,000cycles 1Ω max.			
	Initial contact resistance	200mΩ max.	100mΩ max.	500m!	Ω max.			
Electrical performance	Insulation resistance	100MΩ min. 250V DC	100MΩ min. 100V DC	100MΩ min. 250V DC	100MΩ min. 100V DC			
	Voltage proof	250V AC for 1minute	100V AC for 1 minute	250V AC for 1minute	100V AC for 1minute			
Mechanical	Terminal strength	3N for 1minute	5N for Iminute	-	-			
performance	Actuator strength	20N	10N	20N	10N			
	Cold −40°C 500h							
Environmental performance Dry heat		85°C 500h						
	Damp heat	60℃, 90 to 95%RH 500h						
Opera	ation force	0.7±0.3N	0.7N max.	1N max.	0.7N max.			
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Note

• Indicates applicability to all products in the series.

Example of Reflow Soldering Condition

- 1. Heating method: Double heating method with infrared heater.
 2. Temperature measurement: Thermocouple ϕ 0.1 to 0.2 CA (K) or CC (T) at soldering portion (copper foil surface).
 A heat resisting tape should be used for fixed measurement.
- 3. Temperature profile



Series (Reflow type)	A (℃) 3s max.	B (℃)	C (s)	D (°C)	E (℃)	F(s)
SPPB	250					
SPVE						
SPVL						
SPVM						
SPVN						
SPVR	260	230	40	180	150	120
SPVS						
SPVT						
SSCM						
SSCQ						
SPVQC	250					

Notes

- 1. The condition mentioned above is the temperature on the mounting surface of a PC board. There are cases where the PC board's temperature greatly differs from that of the switch, surface depending on the PC board's material, size, thickness, etc. The above-stated conditions shall also apply to switch surface temperatures.
- 2. Soldering conditions differ depending on reflow soldering machines. Prior verification of soldering condition is highly recommended.

■ Reference for Hand Soldering

Series	Soldering temperature	Soldering time
SPVS, SPVN, SPVT, SPVM, SPVR, SPVE, SSCQ, SSCM, SPVL, SSCT, SPVQC	350±5℃	3s max.
SPVQ3, SPVQ6, SPVQ7, SPVQ8, SPVQ9, SSCN, SPVQA	300±10℃	3+1/0s
SPPB (Reflow)	300±5℃	5s max.
SSCF, SPPB (For Lead, Dip)	350±10℃	3+1/0s

■ Reference for Dip Soldering

(For PC board terminal types)

	Ite	ms	Dip soldering		
Series	Preheating temperature	Preheating time	Soldering temperature	Duration of immersion	
SSCT, SPVQ3, SPVQ6, SPVQ7, SPVQ8, SPVQ9, SPVQA	100±10℃	60s max.	260±5℃	5±1s	
SPPW8, SPPB	100 ℃ max. 60s max.		255±5℃	5±1s	
SSCF	_		260±5℃	5±1s	