1.25mm Height Low-profile Sidepush™ (Surface Mount Type)

SKSC Series



Combination of excellent solder strength & size merit (3.5×3.55mm with hight of 1.25mm).

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line Package Type

TACT Switch

Custom-Products

Sharp

Radial Type

Product Line

Horizontal type

Product No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Rating (min.)	Operating life (5mA 5V DC)	Initial contact resistance	Variety	Minimum order unit (pcs.)
SKSCLCE010	1.6N							Without	
SKSCLAE010	2.2N	Horizontal	0.2	50mA 12V DC	10μA 1V DC	100,000cycles	100 m Ω max.	guide bosses	5,000
SKSCLDE010	1.6N							With guide bosses	
SKSCLBE010	2.2N								

With Ground Terminal type

Product No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Rating (min.)	Operating life (5mA 5V DC)	Initial contact resistance	Variety	Minimum order unit (pcs.)
SKSCPCE010	1.6N							Without	
SKSCPAE010	2.2N	Horizontal	0.2	50mA 12V DC	10μA 1V DC	100,000cycles	100m Ω max.	guide bosses	5,000
SKSCPDE010	1.6N	HOTIZOTILAI						With guide	
SKSCPBE010	2.2N	2.2N						bosses	1

Feeling Packing Specifications

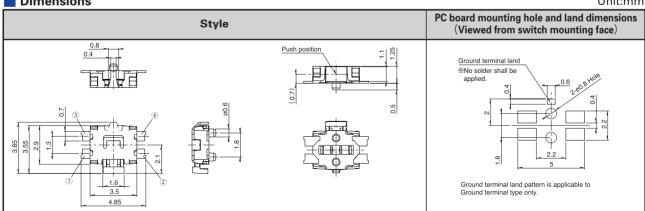
Soft Feeling
Snap-in Type
Surface Mount Type

Soft Taping Unit:mm

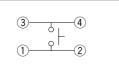
Reel size

Numbe	er of package	Tape	Export package			
1 reel	1 case /Japan	1 case /export packing	width (mm)	measurements (mm)		
5,000	50,000	50,000	12	401×401×214		

■ Dimensions Unit:mm



Circuit Diagram



Notes

- 1. For ϕ 330mm diameter reel requirements, please contact us.
- 2. Please place purchase orders per minimum order unit N (integer).

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Encoders

Power Dual-in-line Package Type TACT Switch™ Custom-**Products**

Sharp Feeling Soft **Feeling** Snap-in Type Surface **Mount Type** Radial Type

ist of Varieties

Sharp Feeling Type

	Series		SKHU	SKSC	SKRE	SKRT	SKRV	SKRH	SKQU	SKRG	SKQK	SKQN	SKRC	
	Photo						•		•	Ø:	200	\$ 6 B	844	
	Туре		Surface mount							Radial				
	Features		Dust-proof type is available	Harizantal tuna		Horizontal type	4-direction switch+push switch		Round terminal type	_	Round terminal Horizontal type	Water– proof		
direc	Operation Horizontal		•	_			•	•	•	•	•	_	•	
tion	Hor	izontal	_	•	•	•	_				•			
	Dimensions (mm)		6.2	3.5	3.9	4.5	6.45	7.35	□10	□10 <i>ϕ</i> 6.2	□6.6	7.3	φ9	
			6.3		3.55		6.4	7.5				6.85		
		Н	2.5	1.25	1.5	3.3	4	5	7.1	4.3	5	7.1	13	
1	1N Operation force coverage		1	\$	\$	•	for res	e relevant pective p escriptior	roduct	1	\$	*	1	
Gre	Ground terminal		•	_	_	•	• • — —				_			
	Operating temperature		-30℃	-20°C to +70°C SKRV/QK										
ľ	rang		+85℃	to +85℃ -30℃ to +85℃										
perfor	Insulation resistance		100MΩ min. 100V DC											
mance	Insulation resistance Voltage proof		250V AC for 1min. for 1min. SKSC/RE/RV/RH : 100V AC for 1min.											
Durability	D 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 2hours respectively											
bility	Lifetime			Shall be in accordance with the individual specification.										
per	Envi						-30	±2℃ for	96h					
forma	Environm Dry heat		80±2°C for 96h											

W: Width. The total dimension excluding terminal portion.

493

60±2°C, 90 to 95%RH for 96h

492

D : Depth. The total dimension excluding terminal portion.

H : Height. The minimum dimension if there is difference in product variety.

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318

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- Product Line of Key cap for TACT Switch™330

Note

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Damp heat

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The automotive operating temperature range to be individually discussed upon request.

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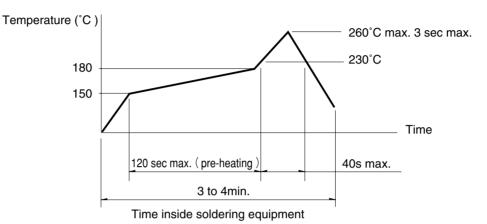
Soldering Conditions

Condition for Reflow

Available for Surface Mount Type.

- 1. Heating method: Double heating method with infrared heater.
- 2. Temperature measurement: Thermocouple 0.1 to 0.2 ϕ CA (K) or CC (T) at solder joints (copper foil surface). A heat resistive tape should be used to fix thermocouple.

3. Temperature profile



Notes

- 1. The above temperature shall be measured of the top of switch. There are cases where the PC board's temperature greatly differs from that of the switch, depending on the material, size, thickness of PC boards and others. 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.

Conditions for Auto-dip

Available for Snap-in Type and Radial Type

(Except SKHJ, SKHL, SKQJ, SKQK, SKEG series)

Items	Condition					
Flux built-up	Mounting surface should not be exposed to fluk					
Preheating temperature	Ambient temperature of the soldered surface of PC board. 100℃ max.					
Preheating time	60s max.					
Soldering temperature	260°C max.					
Duration of immersion	5s max.					
Number of soldering	2times max.					

Manual Soldering (Except SKRT Series)

Items	Condition			
Soldering temperature	350°C max.			
Duration of soldering	3s max.			
Capacity of soldering iron	60W max.			

Sharp Feeling Soft Feeling Snap-in Type Surface Mount Type Radial Type

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Custom-

Products

Notes

- 1. Consult with us for availability of TACT Switch™ washing.
- 2. Prevent flux penetration from the top side of the TACT Switch $^{\text{TM}}$.
- 3. Switch terminals and a PC board should not be coated with flux prior to soldering.
- 4. The second soldering should be done after the switch is stable with normal temperature.
- 5. Use the flux with a specific gravity of min 0.81. (EC-19S-8 by TAMURA Corporation, or equivalents.)