

A round terminal type with highly efficient PC board mounting with excellent dustproof and water-proof performance



TACT Switch™

Sharp Feeling

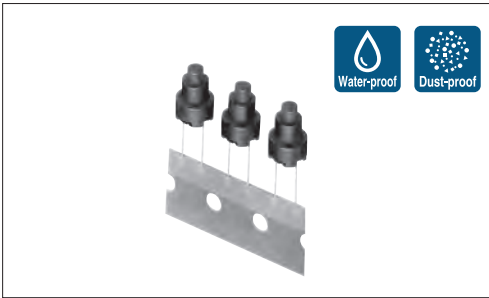
Soft Feeling

Snap-In Type

Surface Mount Type

Radial Type

### Typical Specifications



Items	Specifications
Rating (max.)	50mA 12V DC
Rating (min.)	10 $\mu$ A 1V DC
Initial contact resistance	500m $\Omega$ max.
Travel (mm)	0.25

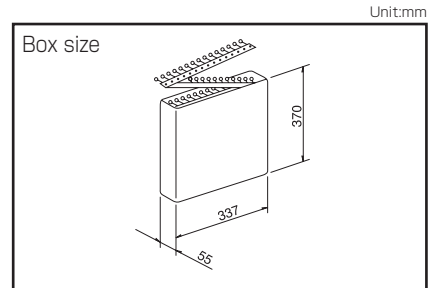
### Product Line

Product No.	Operating force	Operating direction	Operating life (5mA 5V DC)	Stem color	Minimum order unit (pcs.)	
					Japan	Export
<b>SKRCACD010</b>	1.57N	Top push	100,000 cycles	Dark gray	900	900
<b>SKRCADD010</b>	2.55N			Red		

### Packing Specifications

#### Radial Taping

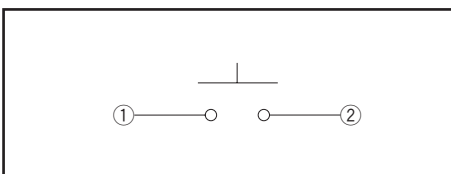
Number of packages (pcs.)			Export package measurements (mm)
1 box	1 case / Japan	1 case / export packing	
900	9,000	9,000	353×764×309



### Dimensions

Style	PC board mounting hole dimensions (Viewed from switch mounting face)

### Circuit Diagram


















Refer to P.235 for soldering conditions.

### ■ Water Resisting Performance

Temperature of water	60℃
Depth of water	10cm
Immersion duration	240h

#### Notes

1. Please use 1.6mm thick PC boards.
2. Be sure to apply a coating over the terminals after attaching the switch for resistance efficiency.
3. Avoid using coating material containing toluene or xylene. For more information on coating material, please contact us.

Type		Sharp Feeling Type				
		Snap-in				Radial
Series		SKHL	SKHH	SKQJ	SKQB	SKRC
Photo						
Features		—	—	—	—	Round terminal type
Water-proof		—	—	—	●	●
Dustproof		—	—	●	●	●
IP standard		—	—	—	—	—
Operating direction	Top push	—	—	—	—	●
	Side push	●	●	●	●	—
Dimensions (mm)	W	7.3	7.5	7.5	11.5	φ9
	D	7.22	7.85	7.85	11.9	
	H	4.3	7.4	7.3	11.3	
Operation force coverage	1N max.					
	1N to 2N					
	2N to 3N					
	3N to 4N					
	4N to 5N					
Travel (mm)		0.25			0.3	0.25
Ground terminal		●	●	—	—	—
Operating temperature range		-40°C to +90°C		-20°C to +70°C	-40°C to +95°C	-30°C to +85°C
Automotive use		●	●	—	●	—
Life Cycle						
Electrical performance	Rating (max.) (Resistive load)	50mA 12V DC				
	Rating (min.) (Resistive load)	10μA 1V DC				
	Insulation resistance	100MΩ min. 100V DC 1min.				
	Voltage proof	250V AC 1min.				
Durability	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				
	Lifetime	Shall be in accordance with individual specifications.				
Environmental performance	Cold	-40°C 96h		-30°C 96h	-40°C 96h	
	Dry heat	90°C 96h		80°C 96h	90°C 96h	
	Damp heat	60°C, 90 to 95%RH 96h			60°C, 90 to 95%RH 1,000h	
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W : Width. The most outer dimension excluding terminal portion.  
D : Depth. The most outer dimension excluding terminal portion.  
H : Height. The minimum dimension if there are variances.

TACT Switch™ Soldering Conditions	235
TACT Switch™ Cautions	236

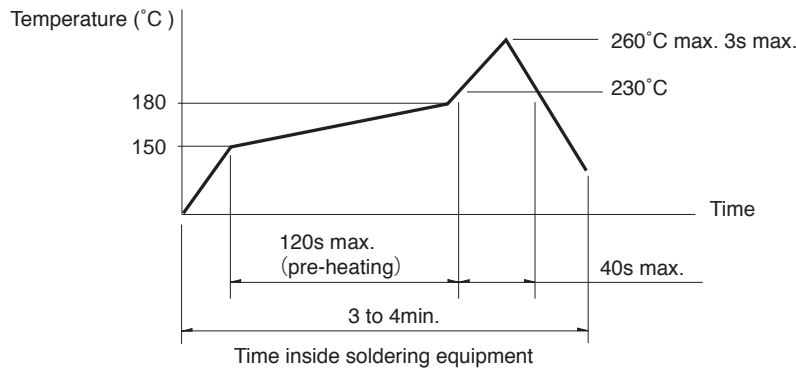
#### Notes

- The automotive operating temperature range to be individually discussed upon request.
- Indicates applicability to all products in the series.

## Condition for Reflow

Available for Surface Mount Type.

Temperature profile



### Notes

1. Please confirm the specifications of our product for the detailed condition.
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.

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

### SKHH Series

Items	Condition
Flux built-up	Mounting surface should not be exposed to flux
Preheating temperature	Ambient temperature of the soldered surface of PC board. 110°C max.
Preheating time	60s max.
Soldering temperature	260°C max.
Duration of immersion	5s max.
Number of soldering	2times max.

### SKHL Top Push Type, SKQJ Series

Items	Condition
Flux built-up	Mounting surface should not be exposed to flux
Preheating temperature	Ambient temperature of the soldered surface of PC board. 100°C max.
Preheating time	45s max.
Soldering temperature	255°C max.
Duration of immersion	5s max.
Number of soldering	2times max.

### Notes

1. Prevent flux penetration from the top side of the TACT Switch™.
2. Switch terminals and a PC board should not be coated with flux prior to soldering.
3. The second soldering should be done after the switch is stable with normal temperature.
4. Use the flux with a specific gravity of min 0.81.  
(EC-19S-8 by TAMURA CORPORATION, or equivalents.)

## Manual Soldering

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

### SKHH, SKHW Series

Items	Condition
Soldering temperature	360°C max.
Duration of soldering	3s max.
Capacity of soldering iron	60W max.

### SKTD, SKTG, SKQJ, SKSN Series

Items	Condition
Soldering temperature	350°C max.
Duration of soldering	3s max.
Capacity of soldering iron	20W max.