Compact, double action type with width of 2.2mm





Typical Specifications

Items	Specifications
Rating (max.)	50mA 12V DC
Rating (min.)	10μA 1V DC
Initial contact resistance	500mΩ max.
Travel (mm)	1st 0.15 All 0.25
Protective structure **	IP67 equivalent

■ Product Line

Product No.	Product No. Operating force Op		Operating life	Minimum order unit (pcs.)		
Floudet No.	Operating force	Operating direction	(5mA 5V DC)	Japan	Export	
SKTCABE010	1st 0.6N 2nd 1.4N	Top push	70,000 cycles	23,000	23,000	

Packing Specifications

Taping

Number of packages (pcs.)			Tape width	Export package
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)
23,000	230,000	230,000	12	395×395×205

0.53

Reel size

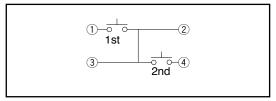
Note

Dimensions

For reels of 330mm diameter, please inquire.

Style PC board land dimensions (Viewed from switch mounting face) 3.9 3.4 4.2 3.1 3.1

■ Circuit Diagram



IP67 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

	Type				Sharp Feeling Typ)e		
			I		Surface Mount			
	Series	SKSH	SKRW	SKRM	SKRB	SKRR	SKQG	SKTC
	Photo						-	
	Features		Low-	profile		Low-profile and long life	Low-profile	Double action
	Water-proof	_	_	_	_	_	_	•
	Dust-proof	_	_	_	_	_	_	•
	IP standard	_	_	_	_	_	_	67 equivalent
Operatir		•	•	•	•	•	•	•
directio	Side push	_	_	_	_	_	_	_
	W	3.3	□27	□4.5	□4.8	7.5	- □5.2	3.4
Dimensio (mm)	ons D	2.9	- □3.7	4.5	∐4.8	7	5 45.2	2.2
	Н	0.	35	0.4	0.55	0.6	1.5	0.62
Operation force coverage	2N to 3N	1	1	1	1	*		See the relevant pages for respective product descriptions
	Travel (mm)	0.	15	0.15	5/0.2	0.	25	See the relevant pages for respective product descriptions
G	round terminal	_	_	_	_	_	_	_
Operatin	g temperature range	-30°C t	o +85°C		–40℃ to +85℃		-40℃ to +90℃	−30°C to +85°C
А	utomotive use	_	_	_	•	_	0	_
	Life Cycle	* 2	* 2	* 2	* 2	* 2	* 2	2
	Rating (max.) (Resistive load)				50mA 12V DC			
Electrical	Rating (min.) (Resistive load)	10μA 1V DC						
performance	Insulation resistance	100MΩ min. 100V DC 1min.						
	Voltage proof	100V AC 1min. 250V AC 1min. 100V 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						
Durability	Lifetime	Shall be in accordance with individual specifications.						
	Cold	-40℃ 96h						
Environmental performance	Dry heat	90°C 96h						
	Damp heat	60℃, 90 to 95%RH 96h						
	Page	201	202	203	204	205	206	207

W : Width. The most outer dimension excluding terminal portion. D : Depth. The most outer dimension excluding terminal portion.

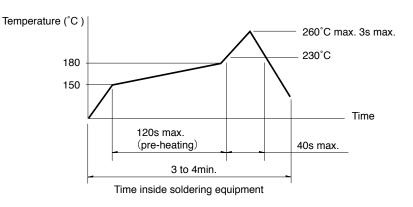
H: Height. The minimum dimension if there are variances.

Notes

- 1. The automotive operating temperature range to be individually discussed upon request.
- 2. lacktriangle Indicates applicability to all products in the series, while \bigcirc indicates applicability to some products in the series.

■ Condition for Reflow Available for Surface Mount Type.

Temperature profile



TACT Switch™ / Soldering Conditions

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℃ 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℃ max.
Duration of immersion	5s max.
Number of soldering	2times max.

■ Manual Soldering

Items	Condition
Soldering temperature	350℃ 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 Series

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

Notes

- 1. Prevent flux penetration from the top side of the TACT Switch TM .
- 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.)

