V 2.8×1.9mm Compact Type with Projection (Surface Mount Type)

Width of 1.9mm contributes to thinner product designs and greater mounting efficiency





■ Typical Specifications

Items	Specifications
Rating (max.)	50mA 12V DC
Rating (min.)	10μA 1V DC
Initial contact resistance	500mΩ max.
Travel (mm)	0.12
Protective structure *	IP67 equivalent

Product Line

Product No.	Operating force	Operating direction	g direction Operating life (5mA 5V DC)	Minimum order unit (pcs.)		
T TOUGGE NO.	Operating force	Operating direction		Japan	Export	
SKSVCAE010	1.6N	Top push	300,000 cycles	20,000	20,000	
SKSVCCE010	2.2N	τορ ραστι	100,000 cycles			

■ Packing Specifications

Taping

Num	ber of packages (Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)
20,000	200,000	200,000	12	395×395×205

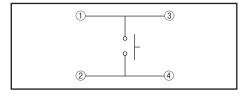
Reel size

Note

For reels of 330mm diameter, please inquire.

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

■ Circuit Diagram



* Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.

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



	Series	SKSD	SKRN	SKTA	SKSV	SKSW	SKTK	SKSG
	Photo	400		0	0		0	
	Features	Double	l action		Compact size Low-profile		Long life	High operation force Compact size
	Water-proof	_	_	•	•	•	•	
	Dustproof	_	_	•	•	•	•	_
	IP standard	_	_	67 equivalent	67 equivalent	67 equivalent 68 equivalent in some cases	67 equivalent	_
Operatii	Top push	•	•	•	•	•	•	•
directio		_	_	_	_	_	_	_
	W	4.1		2.6	2.8	3	5.9	3
Dimension (mm)		3.9	- □6	1.6	1.9	2	4	2.7
(11111)	Н	0.6	0.9	0.53	0.5	0.6	0.78	1.4
Operation force coverage	2N to 3N	for respect	evant pages ive product ptions		1	Ţ	\$	1
	Travel (mm)		ant pages for uct descriptions	0.11	0.12	See the relevant pages for respective product descriptions	0.25	0.12
G	round terminal	•	•	_	_	_	_	0
Operating temperature range		-40℃ to +90℃ -30℃ to +85℃				-40°C to +85°C		
А	utomotive use	_	_	_	_	_	_	•
	Life Cycle	2	* 2	*3	*3	★3	*2	* 2
	Rating (max.) (Resistive load)				50mA 12V DC			
Electrical	Rating (min.) (Resistive load)				10μΑ 1V DC			
performance	Insulation resistance			100N	IΩ min. 100V DC	1min.		
	Voltage proof	100V AC 1min.	250V AC 1min.			100V AC 1min.		
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 2 hours respectively						
Durability Lifetime Shall be in accordance with individual specificat			lual specifications	3.				
	Cold	-40°C 96h 90°C 96h						
Environmental performance	Dry heat							
	Damp heat			60°0	C, 90 to 95%RH	96h		

Sharp Feeling Type

Surface Mount

Notes

Type

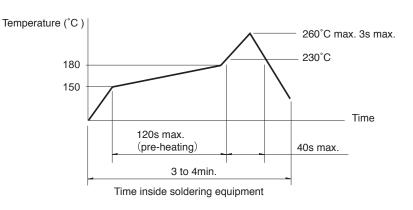
 $\ensuremath{\mathsf{H}}$: Height. The minimum dimension if there are variances.

^{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.

TACT Switch™ / Soldering Conditions

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℃ 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°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.

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.)

