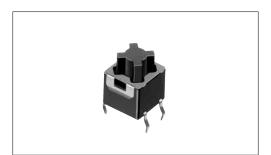
8×9mm Long-travel with High Operation Force (Snap-in Type)

Combination of long travel 1.75mm and high operation force prevents malfunction







■ Typical Specifications

Items	Specifications
Rating (max.)	5mA 12V DC
Rating (min.)	10 µA 1V DC
Initial contact resistance	1kΩ max.
Travel (mm)	1.75

■ Product Line

Product No. Operating force	Operating direction	Operating life	Minimum order unit (pcs.)		
Product No. Operating force		Operating direction	(5mA 5V DC)	Japan	Export
SKPFACA010	1.96N	Top push	100,000 cycles	1,000	1,000
SKPFAAA010	3.92N	τορ ραστι			

■ Packing Specifications

Bulk

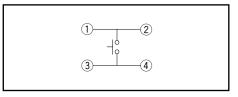
Number of packages (pcs.)		Export package measurements	
1 case / Japan	1 case / export packing	(mm)	
4,000	12,000	309×476×347	

Dimensions

Unit:mm

Style	PC board mounting hole dimensions (Viewed from switch mounting face)
8 8 8 8 8 8 7 0 0 7 4 5	8.7 4-ø1 hole

Circuit Diagram



Note

Please Using a 1.6mm thick PC board is recommended.

Type		Sh	narp Feeling Ty	pe		S	Soft Feeling Typ	ne	
			Surface Mount		Snap-in Surface Mount			e Mount	
	Series	SKSC	SKRT	SKRH	SKPF	SKPS	SKPM	SKPG	SKPR
	Photo								
	Features	Low-profile	_	4-direction switch +push switch	High operation force Long travel	Low contac	t resistance	_	High operation force Low contact resistance
V	Vater-proof	_	_	_	_	_	_	_	_
I	Dust-proof	_	_	_	_	_	_	_	_
II	P standard	_	_	_	_	_	_	_	_
Operatir	Top push	_	_	•	•	•	•	•	•
directio		•	•	•	_	_	_	_	_
	W	3.5	4.5	7.35	8	5	i.9	6.6	7.5
Dimensio	ons D	3.55	3.4	7.5	9	(6	6.3	7.8
(mm)	Н	1.25	3.3	5	10	5			6.5
	Contact	_	_	_	Carbon	Sil	ver	Carbon	Silver
Operation force coverage	2N to 3N	1	\$	See the relevant pages for respective product descriptions		\$	1	1	*
Т	ravel (mm)	0.	2	1.75	See the relevant pages for respective product descriptions	1.05	1	.3	1
Gro	ound terminal	0	•	•	_	_	_	_	_
Operat	ting temperature range	−30°C to +85°C	-40℃ to +90℃	-40℃ to +85℃	-40°C to +90°C				
Au	tomotive use	_	_	_	•	•	•	•	•
	Life Cycle	*2	* 2	* 2	* 2	* 2	*3	**3	*3
	Rating (max.) (Resistive load))mA ′DC			ImA ' DC	5mA 12V DC	50mA 16V DC
Electrical	Rating (min.) (Resistive load)				10μΑ	1V DC			
performance	Insulation resistance	100MΩ min. 100V DC 1min.							
	Voltage proof	100V AC 1min.	250V AC 1min.	100V AC 1min.			250V AC 1min	1.	
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			-40℃ 1,000h -		-40℃ 96h	-40℃ 1,000h	
Environmental performance	Dry heat	90°C 96h				90°C 1,000h 90°C 96h 90			90°C 1,000h
	Damp heat		60°C, 90 to	95%RH 96h		60°C, 90 to 9	5%RH 1,000h	60°C, 90 to 95%RH 96h	60°C, 90 to 95%RH 1,000h
	Page	239	241	444	244	245	246	247	248

Notes

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

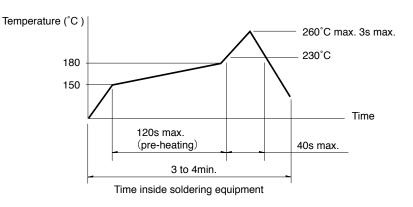


D: Depth. The most outer dimension excluding terminal portion.

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

■ 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.)

