# 0.9mm low-profile, double action type





# ■ Typical Specifications

Items	Specifications
Rating (max.)	50mA 12V DC
Rating (min.)	10μA 1V DC
Initial contact resistance	100mΩ max.
Travel (mm)	1st 0.25 All 0.4

# ■ Product Line

Product No.	Operating force	Operating direction	Operating life	Guide bosses	Minimum order unit (pcs.)			
T TOUGET NO.	Operating force	Operating direction	(5mA 5V DC)	Odide bosses	Japan	Export		
SKRNPAE010	1st 0.78N			Without				
SKRNPBE010	2nd 2.45N	Top push	30,000 cycle Top push	30,000 avalos	With			
SKRNPCE010	1st 0.78N			Top push	30,000 Cycles	Without	5,000	5,000
SKRNPDE010	2nd 1.57N				2NU 1.57N			
SKRNPEE010	1st 0.59N	100,000 cycles	Without	ı				
SKRNPME010	2nd 1.57N		100,000 Cycles	With				

# ■ Packing Specifications

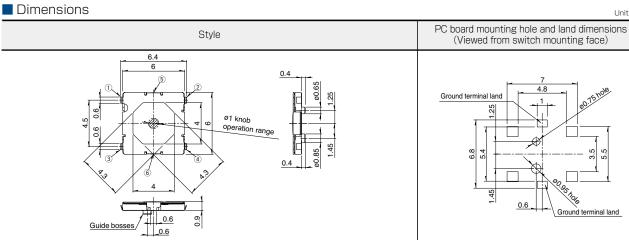
# Taping

Number of packages (pcs.)			Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
5,000	50,000	50,000	12	395×395×205	

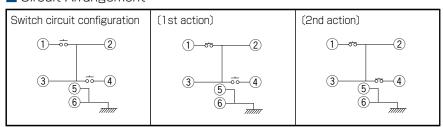
# Unit:mm Reel size

# Note

For reels of 330mm diameter, please inquire.



# ■ Circuit Arrangement



Refer to P.249 for soldering conditions.

	Tuno			S	harp Feeling Typ			
	Туре				Surface Mount			
	Series	SKSD	SKRN	SKTA	SKSV	SKSW	SKTK	SKSG
	Photo						0	0
	Features	Double	action		Compact size Low-profile		Long life	High operation force Compact size
	Water-proof	_	_	•	•	•	•	_
	Dust-proof	_	_	•	•	•	•	_
	IP standard	_	_	67 equivalent 68 equivalent in some cases	67 equivalent	67 equivalent 68 equivalent in some cases	67 equivalent	_
Operatir	Top push	•	•	•	•	•	•	•
directio		_	_	_	_	_	_	_
	W	4.1		2.6	2.8	3	5.9	3
Dimensio		3.9	□6	1.6	1.9	2	4	2.7
(mm)	Н	0.6	0.9	0.53	0.55	0.6	0.78	1.4
Operation force coverage	2N to 3N	for respect	evant pages ive product ptions	1	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
Operatir	ng temperature range	-40℃ t	o +90℃		-30℃ 1	to +85℃		-40℃ to +85℃
А	utomotive use	_	_	_		_	_	•
	Life Cycle	<b>2</b>	<b>*</b> 2	<b>*</b> 2	<b>*</b> 2	<b>2</b>	<b>*</b> 2	<b>*</b> 2
	Rating (max.) (Resistive load)		50mA 12V DC					
Electrical	Rating (min.) (Resistive load)				10μA 1V DC			
performance	Insulation resistance			100M	1Ω min. 100V DC	C 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℃ 96h			
	Damp heat	eat 60°C, 90 to 95%RH 96h						
	Page	208	209	210	212	213	215	216

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

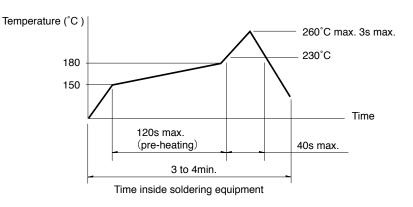
### Notes

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

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.)

