TACT Switch™ 12mm Square(Snap-in Type)

SKHC Series



Joint stem & flat stem with stable operation feeling.

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line Package Type

TACT Switch™

Custom-Products

Sharp Feeling Soft

Feeling Snap-in Type

Surface Mount Type

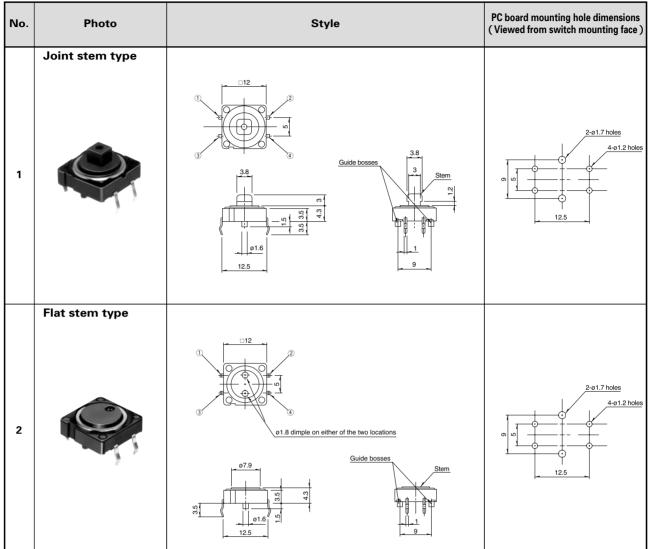
Radial Type

|--|

Product Line

Product Line											
Product No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Rating (min.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Variety	Minimum order unit(pcs.)	Drawing No.
SKHCBJA010	0.74N			3 50mA 12V DC	10 <i>μ</i> A 1V DC	500,000 cycles	100m max.	Blue		- 1,000 -	
SKHCBEA010	1.27N					1,000,000 cycles		Black	Joint stem		1
SKHCBGA010	2.55N	Vertical 0				500,000		Dark gray			
SKHCBKA010	0.74N	Vertical				cycles		Blue			
SKHCBFA010	1.27N					1,000,000 cycles		Black			2
SKHCBHA010	2.55N					500,000 cycles		Dark gray			ı

Dimensions Unit:mm



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TACT Switch™

Custom-**Products**

Sharp Feeling

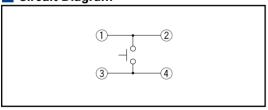
Soft **Feeling**

Snap-in Туре

Surface Mount Type

Radial Type

Circuit Diagram



Note

Please use 1.6mm thick PC boards.

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

CustomProducts

List of Varieties

Sharp Feeling Type

Sharp Feeling Type														
	Series		SKQU	SKQB	SKQE	SKHC	SKHK	SKRW	SKRM	SKQR	SKRB	SKRR	SKQG	
Photo					0	*	(Ó		
Туре			Snap-in					Surface mount						
				Water-proof Horizontal type	Long Life		Long Stem Low-profile			Low-profile and long life	Low-profile			
Operating direction	Oper Vertical													
ating tion	Horiz	ontal												
	Dimensions (mm)		10	11.5		12			4.5	4.8		7.5	- 5.2	
Dime (m			10	11.9	12			3.7 4.5	7					
			7.1	11.3	4.	.3	12	0.35	0.4	0.5	0.55	0.6	0.8	
Operation force coverage			See the relevant pages for respective product descriptions	•	\$	\uparrow	•	1	1	1		‡	\uparrow	
Ground terminal														
Operating temperature range		-30 to +85												
Electrical performance	Insula resist		100M min. 100V DC											
trical mance	Volt		250V AC for 1min. SKRW/RM/RB/RR : 100V AC for 1min.											

Snap-in Type Surface

Sharp Feeling Soft

Mount Type Radial

Type

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

274

275

276

273

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

270

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 2hours respectively

Shall be in accordance with individual specifications.

 60 ± 2 , 90 to 95%RH for 96h

271

for 96h

for 96h

272

-30 ± 2

 80 ± 2

Note

Durability

Environmental performance

Vibration

Lifetime

Cold

Dry heat

Damp heat

Page

The automotive operating temperature range to be individually discussed upon request.

267

268

265

Product Line of Knob for TACT Switch™.....

482

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line Package Type

TACT Switch¹¹

Custom-

Products

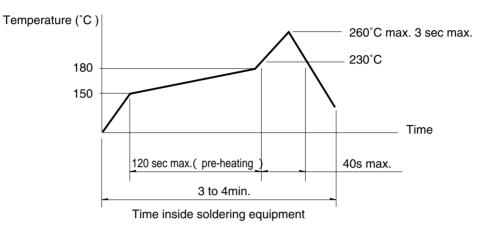
Snap-in Type Surface Mount Type Radial Type

Soldering Conditions

Condition for Reflow

Available for Surface Mount Type.

- 1. Heating method: Double heating method with infrared heater.
- 2. Temperature measurement: Thermocouple 0.1 to 0.2 CA(K)or CC(T)at solder joints(copper foil surface). A heat resistive tape should be used to fix thermocouple.
- 3. Temperature profile



Note

- 1. The above temperature shall be measured on the mounting surface of a PC board. There are cases where the PC board's temperature greatly differs from that of the switch, depending on the material, size, thickness of PC boards and others. The above-stated conditions shall also apply to switch surface temperatures.
- 2. Soldering conditions differ depending on reflow soldering machines. Prior verification of soldering condition is highly recommended.

Sharp Feeling Conditions for Auto-dip Available for Snap-in Type and Radial Type (Except SKHJ, SKHL, SKQJ, SKQK, SKEG series)

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

Manual Soldering (Except SKRT Series)

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

Notes

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

Product Line of Knobs

Unit:mm

	Applicable model	Di	mensions		Label dimensions		
Detector	Applicable model	الط	mensions	Color	Мо	del	(Unit:mm)
Push				Keytop			
Slide	CMIII		1	Red Blue Ivory Black	SK2AA00410		
Rotary	SKHH		9 2 8 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		SK2AA00420 SK2AA00430 SK2AA00440		
Encoders	Applicable to joint stem type			Yellow	SK2AA00450		
Power				Сар			
Dual-in-line Package Type			2 2 2	Clear	SK2AA00510		□10 N
TACT Switch™	SKHC SKQE Applicable to joint stem type		Cap Key top	Keytop		Keytop + Cap	L.F.
Products				Red Blue Ivory Black	SK2AA00010 SK2AA00020 SK2AA00030 SK2AA00040	SK2AA00060 SK2AA00070 SK2AA00080 SK2AA00090	Thickness 0.1
	SKHJ		Cap	Сар			
				Clear	SK2AA00520		
Sharp Feeling				Keytop		Keytop + Cap	G6.5
Soft Feeling			Key top	Red Blue Ivory	SK2AA00210 SK2AA00220 SK2AA00230	SK2AA00260 SK2AA00270 SK2AA00280	
Snap-in Type				Black Yellow	SK2AA00230 SK2AA00240 SK2AA00250	SK2AA00280 SK2AA00290 SK2AA00300	Thickness 0.1
Surface Mount Type					Сар		
Radial Type			9 4.7	Clear	SK2AA00540		

Notes

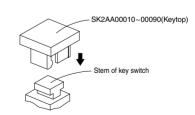
- 1. The knob will be delivered together with the switch but packed separately.
- 2. The label is not included.

SKEG

Applicable to joint

stem type

3. For SK2AA00010 to SK2AA00090 types, please check the mounting direction.



Keytop + Cap

SK2AA00360

SK2AA00370

SK2AA00380

SK2AA00390

SK2AA00400

WHO?

Thickness 0.1

308

Keytop

SK2AA00310

SK2AA00320

SK2AA00330

SK2AA00340

SK2AA00350

Red

Blue Ivory

Black

Yellow