TACT Switch™ 6.2 × 6.5mm (Surface Mount Type)

SKHM Series



Total hight of 3.1mm. Surface mount package with ground terminal.

Detector

Push Slide

Rotary



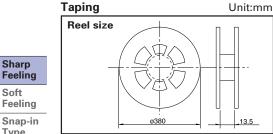
Power

Dual-in-line Package Type TACT Switch™

> Custom-Products

Product Line										
Product No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Rating (min.)	Operating life (5mA 12V DC)	Initial contact resistance	Stem color	Minimum order unit (pcs.)	
SKHMQKE010	0.98N					500,000cycles	100mΩ max.		Black	
SKHMQLE010	1.57N	Vertical	0.25	50mA 12V DC	10µA 1V DC	300,000cycles		Green	3,000	
SKHMQME010	2.35N					200,000cycles		Red		

Packing Specifications



Numbe	er of package	Tape	Export package			
1 reel	1 case /Japan	1 case /export packing	width (mm)	measurements (mm)		
3,000	30,000	30,000	12	401×401×214		



Туре

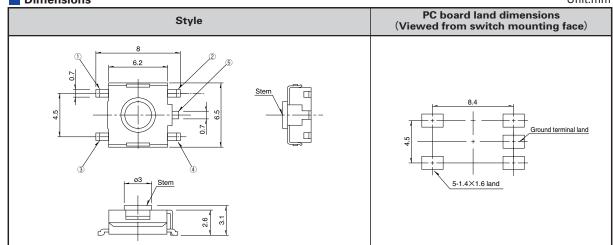
315

Sharp

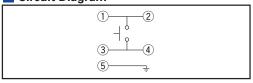
Soft

Dimensions

Unit:mm



Circuit Diagram



Notes

- 1. Please place purchase orders per minimum order unit N (integer).
- 2. For ϕ 330mm diameter reel requirements, please contact us.



List of Varieties

Sharp Feeling Type

			77											
	Series		SKRN	SKSE	SPEE	SKSF	SKSG	SKRK	SKRP	SKQM	SKQY	SKRA	SKHM	
Photo		Ô		Ser.	۲									
	Туре				1	Surface mount								
F	eature	s	Double Horizontal action Double ad			Compact size Low-profile	High operation force Compact size	Compact size Low-profile	High operation force Compact size	Comp	act size	Middle travel	_	
Ope	Vertical		•		_	•	•	•	•	•	•	•	•	
Operating direction	Horiz	ontal	_	•	•							-	1	
- @		w		5.9	4	2.8	3	3.9	4.2	6	6.1		6.2	
	nsions m)	D	6	2.87	5	2.4	2.7	2.9	3.2	3.5	3.7	6.2	6.5	
	,	н	0.9	3	1.22	0.65	1.4	1.5	2.5	4.3	2.5	3.4	3.1	
fo	ation rce erage	1N		relevant pa product de		•	Ĵ	\$	↓	Ì	I	Î	Î	
		5N										See the relevant		
Tra	Travel (mm) See the relevant pages for respective product descriptions		0.1						0.25					
Grou	ind terr	ninal	•				•		—		•	_	•	
Operating temperature range			-30°C to	o +85℃	-10°C to +60°C				-30°C to	o +85℃	+85℃			
Auto	motive	use	_			<u> </u>	0	_	•	•	•	0	_	
Ele	Insul resist	ation tance		Ω min. / DC	10MΩ min. 100V DC			1	00MΩ mi	in. 100V E		1	1	
Electrical	Volt		250V AC for 1min.	-		for 1min. 250V AC for 1min.								
		ation	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											
Durability	Lifet	time	Shall be in accordance with individual specifications.											
Envi	Co	old	-30±2℃	for 96h	-40±2℃ for 96h	-30±2℃ for 96h								
Environmental	Dry	heat	80±2℃	for 96h	85±2℃ for 96h	80±2°C for 96h								
ental nce	Damp	heat		60±2°C, 90 to 40±2°C, 90 to 95%RH for 96h 60±2°C, 90 to 95%RH for 96h										
_	Page		306	307	102	308	309	310	311	312	313	314	315	

 $\begin{array}{l} W: Width. \ The \ most \ outer \ dimension \ excluding \ terminal \ portion. \\ D: \ Depth. \ The \ most \ outer \ dimension \ excluding \ terminal \ portion. \\ H: \ Height. \ The \ minimum \ dimension \ if \ there \ are \ variances. \end{array}$

● TACT Switch [™] Soldering Conditions	
● TACT Switch [™] Cautions	
● Product Line of Knobs for TACT Switch [™] ······	.336

Notes

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

Omarks in "Available for automotive use" indicate that some of the series products can work at the operating temperature range from -40°C to +85°C, ●marks in "Available for automotive use" indicate that all of the series products can work at the operating temperature range from -40°C to +85°C.



Detector

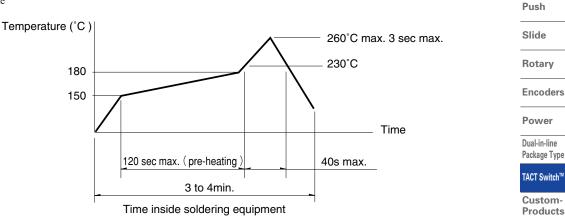
Soldering Conditions

Condition for Reflow

Available for Surface Mount Type.

1. Heating method: Double heating method with infrared heater.

- 2. Temperature measurement: Thermocouple 0.1 to 0.2ϕ CA (K) or CC (T) at solder joints (copper foil surface). A heat resistive tape should be used to fix thermocouple.
- 3. Temperature profile



Notes

- The above temperature shall be measured of the top of switch. 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.

Conditions for Auto-dip

Available for Snap-in Type and Radial Type

(Except, SKHL, SKQJ, SKQK, SKEG series)

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

Manual Soldering (Except SKRT Series)

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

Sharp Feeling
Soft Feeling
Snap-in Type
Surface Mount Type
Radial Type

Notes

- 1. Consult with us for availability of TACT Switch[™] washing.
- 2. Prevent flux penetration from the top side of the TACT Switch[™].
- 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.)

