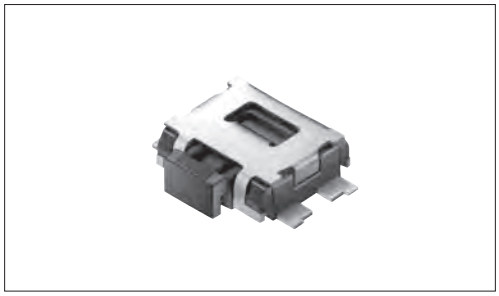
SKSC 3.5×3.55mm Low-profile Side Push Type (Surface Mount Type)

Hard soldering, compact, and slim (1.25mm) are realized



Typical Specifications

Items	Specifications
Rating (max.)	50mA 12V DC
Rating (min.)	10μA 1V DC
Initial contact resistance	100mΩ max.
Travel (mm)	0.2

Product Line

Side push type

Product No.	Operating force	Operating direction	Operating life (5mA 5V DC)	Guide bosses	Minimum order unit (pcs.)	
					Japan	Export
SKSCLCE010	1.6N	Side push	100,000 cycles	Without	5,000	5,000
SKSCLAE010	2.2N					
SKSCLDE010	1.6N			With		
SKSCLBE010	2.2N					

With ground terminal type

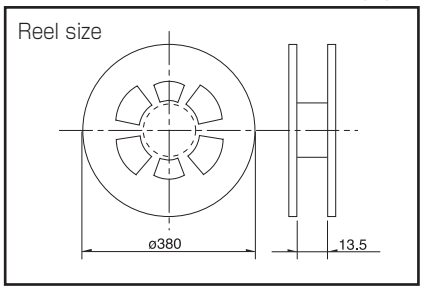
Product No.	Operatingforce	Operating direction	Operating life (5mA 5V DC)	Guide bosses	Minimum order unit (pcs.)	
					Japan	Export
SKSCPCE010	1.6N	Side push	100,000 cycles	Without	5,000	5,000
SKSCPAE010	2.2N					
SKSCPDE010	1.6N			With		
SKSCPBE010	2.2N					

Packing Specifications

Taping

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

Unit:mm



Note

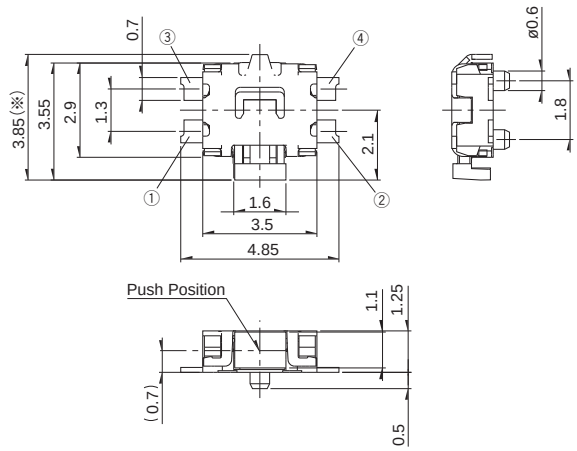
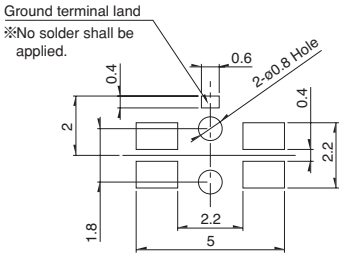
For reels of 330mm diameter, please inquire.

Refer to P.235 for soldering conditions.

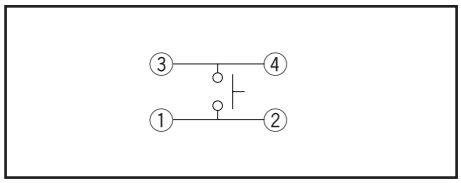
SKSC 3.5×3.55mm Low-profile Side Push Type (Surface Mount Type)

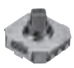
Dimensions

Unit:mm

Style	PC board mounting hole and land dimensions (Viewed from switch mounting face)
 Parts indicated by ※ apply only to products with a ground terminal.	 Ground terminal land pattern is applicable to ground terminal type only.

Circuit Diagram



Type		Sharp Feeling Type			Soft Feeling Type				
		Surface Mount			Snap-in	Surface 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 contact resistance		—	High operation force Low contact resistance
Water-proof		—	—	—	—	—	—	—	—
Dustproof		—	—	—	—	—	—	—	—
IP standard		—	—	—	—	—	—	—	—
Operating direction	Top push	—	—	●	●	●	●	●	●
	Side push	●	●	●	—	—	—	—	—
Dimensions (mm)	W	3.5	4.5	7.35	8	5.9		6.6	7.5
	D	3.55	3.4	7.5	9	6		6.3	7.8
	H	1.25	3.3	5	10	5			6.5
Contact		—	—	—	Carbon	Silver		Carbon	Silver
Operation force coverage	1N max.			See the relevant pages for respective product descriptions					
	1N to 2N	↕	↕		↕		↕	↕	
	2N to 3N	↕			↕		↕	↕	
	3N to 4N				↕	↕			
	4N to 5N								↕
Travel (mm)		0.2		1.75	See the relevant pages for respective product descriptions	1.05	1.3		1
Ground terminal		○	●	●	—	—	—	—	—
Operating temperature range		−30℃ to +85℃	−40℃ to +90℃	−40℃ to +85℃	−40℃ to +90℃				
Automotive use		—	—	—	●	●	●	●	●
Life Cycle		2	2	2	2	2	3	2	2
Electrical performance	Rating (max.) (Resistive load)	50mA 12V DC				50mA 16V DC		5mA 12V DC	50mA 16V DC
	Rating (min.) (Resistive load)	10μA 1V DC							
	Insulation resistance	100MΩ min. 100V DC 1min.							
	Voltage proof	100V AC 1min.	250V AC 1min.	100V AC 1min.	250V 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							
	Lifetime	Shall be in accordance with individual specifications.							
Environmental performance	Cold	−40℃ 96h				−40℃ 1,000h		−40℃ 96h	−40℃ 1,000h
	Dry heat	90℃ 96h				90℃ 1,000h		90℃ 96h	90℃ 1,000h
	Damp heat	60℃, 90 to 95%RH 96h				60℃, 90 to 95%RH 1,000h		60℃, 90 to 95%RH 96h	60℃, 90 to 95%RH 1,000h
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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.

TACT Switch™ Soldering Conditions · · · 235
TACT Switch™ Cautions · · · 236

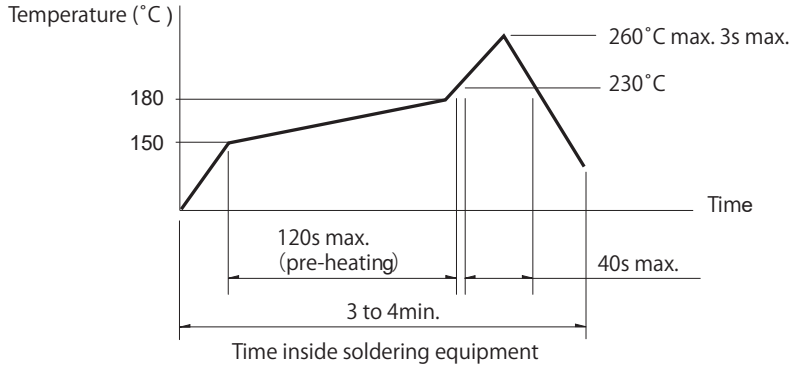
Notes

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

■ 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℃ 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℃ max.
Preheating time	60s max.
Soldering temperature	260℃ 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℃ 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℃ max.
Duration of soldering	3s max.
Capacity of soldering iron	60W max.

SKTD, SKTG, SKQJ, SKSN Series

Items	Condition
Soldering temperature	350℃ 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.)