6.6mm Square (Snap-in Type)

Dust proof with sharp operational feel suitable for general purpose





■ Typical Specifications

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

■ Product Line

Top push type

Product No.	Operating force	Operating direction	Operating life	Stem color	Stem height	Minimum order unit (pcs.)		Drawing No.
1 10000110.	Troductive. Operating force Operating direction		(5mA 5V DC)	Grow Goldi	Otom Holome	Japan	Export	
SKQJAAA010	0.98N		1,000,000 cycles	Black	h=5mm	1,000	1,000	
SKQJABA010	1.57N	Top push	500,000 cycles	Dark gray	11—3111111			1
SKQJADA010	0.98N		1,000,000 cycles	Black	- h=7mm			
SKQJAEA010	1.57N		500,000 cycles	Dark gray				
SKQJAJA010	0.98N		200.000 cycles	Black	h=9.5mm			
SKQJAKA010	1.57N		ZUU,UUU CYCIES -	Dark gray	11-9.311111			

Side push type

Product No.	Operating force	Operating direction	Operating life Stem color		Minimum order unit (pcs.)		Drawing
T TOUGET NO.	Operating force	Operating direction	(5mA 5V DC)	Sterri Color	Japan	Export	No.
SKQJLAA010	0.98N	Side push	1,000,000 cycles	Black	1.000	1.000	9
SKQJLBA010	1.57N	Jue pusit	500,000 cycles	Dark gray	1,000	1,000	

■ Packing Specifications

Bulk

Number of pa	Export package		
1 case / Japan 1 case / export packing		measurements (mm)	
10,000	30,000	309×476×347	



■ Dimensions Unitrmm

No.	Photo	Style		PC board mounting hole dimensions (Viewed from switch mounting face)
1	Top push type	3 A C C C C C C C C C C C C C C C C C C	h A 5 3.5 7 3.3 9.5 3	4-01 hole 6.5
	Side push type			
2		0.7 4.5 7 2	0.3 1 1 2.52 2.5 3.85 4	2-ø1.3 hole 7 of N

Note

Please use 1.6mm thick PC boards.

■ Circuit Diagram

Top push type	Side push type
1) - 1 0 2 3) - 4)	①—————————————————————————————————————



	Type				Sharp Feeling Type	5		
9		Snap-in						
	Series	SKHL	SKHH	SKHW	SKQJ	SKQB	SKQE	SKHC
F	Photo							
Fe	eatures	_	_	_	_	_	Long-life	_
Wa	ater-proof	_	_	_	_	•	_	_
Du	ust-proof	_	_	•	•	•	•	_
IP s	standard	_	_	_	_	_	_	_
Operating	Top push	•	•	•	•	•	•	•
direction	Side push	_	_	_	_	_	_	_
	W	6						
Dimensions (mm)	D	3.5		6	□6.6	□10]12
(111111)	Н	4.3/5	See the relevant pages for respective product descriptions	4.3/5	5	5/13/23.2	See the rele	vant pages for duct descriptions
	1N max.	1	1		1		,	1
Operation	1N to 2N			<u>_</u>	<u> </u>	<u>_</u>		
force	2N to 3N	<u></u>				→	+	+
coverage	3N to 4N							
	4N to 5N		 					
Travel (mm)		0.25		0.3	0.25	0.3		
Grour	nd terminal	_	•	_	_	_	_	_
Operating te	emperature range	−40°C to +90°C			-20℃ to +70℃	-40°C to) +90℃	-40℃ to +85℃
Autor	motive use	•	•	_	_	•	_	_
Lif	fe Cycle	* 2	*3	*3	* 2	* 2	*2	*2
	Rating (max.) (Resistive load)				50mA 12V DC	l		
Electrical	Rating (min.) (Resistive load)				10μΑ 1V DC			
performance	sulation resistance	100MΩ min. 100V DC 1min.						
	Voltage proof	250V AC 1min.						
Vibration 10 to 5			10 to 55 to	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 individ				ual specifications		
	Cold	old -40°C 96h -30°C			-30°C 96h	96h −40°C 96h		
Environmental performance	Dry heat		90℃ 96h		80°C 96h	90°C 96h		
	Damp heat		60°C, 90 to 9	95%RH 96h		60°C, 90 to 95%RH 1,000h	60°C, 90 to	95%RH 96h
	Page	195	197	201	202	204	206	208

 $[\]ensuremath{\mathsf{W}}$: Width. 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.

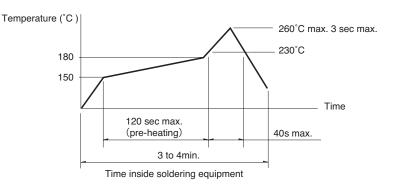
 $[\]mathsf{D}:\mathsf{Depth}.$ The most outer dimension excluding terminal portion. H: Height. The minimum dimension if there are variances.

TACT Switch™ Soldering Conditions

Condition for Reflow

Available for Surface Mount Type.

- 1. Temperature measurement: Thermocouple ϕ 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.
- 2. 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.
- 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°C max.
Duration of immersion	5s max.
Number of soldering	2times max.

SKHH, SKPD 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.

SKQJ, SKQK, SKEG 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, SKRG, SKPD Series

Items	Condition
Soldering temperature	360°C max.
Duration of soldering	3s max.
Capacity of soldering iron	60W max.

SKTD, SKTG, SKQJ, SKQK, SKEG 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™.
- 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.)

