User friendly 6.0×6.0mm type, available in a wide variety



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	Operating	Operating life	Stem color	Height	Minimum ord	er unit (pcs.)	Drawing
TOUGETIO.	force	direction	(5mA 5V DC)		I ICIGI IL	Japan	Export	No.
SKHHAJA010	0.98N		1,000,000 cycles	Black				
SKHHALA010	1.57N		500,000 cycles	Dark gray	h=4.3mm			
SKHHAQA010	2.55N		200,000 cycles	Red				
SKHHAKA010	0.98N		1,000,000 cycles	Black				
SKHHAMA010	1.57N		500,000 cycles	Dark gray				
SKHHARA010	2.55N			Red	h=5mm			
SKHHCQA010	3.53N		200,000 cycles	Orange		1,000	1,000	
SKHHCRA010	5.10N			Yellow				1
SKHHBVA010	0.98N	Top push	1,000,000 cycles	Black	h=7mm			
SKHHBWA010	1.57N	TOP push	500,000 cycles	Dark gray				
SKHHBYA010	2.55N		200,000 cycles	Red				
SKHHANA010	0.98N		1,000,000 cycles	Black				
SKHHAPA010	1.57N		500,000 cycles	Dark gray	h=9.5mm			
SKHHBSA010	2.55N		200,000 cycles	Red				
SKHHDTA010	0.98N		1,000,000 cycles	Black	b=10mm			
SKHHDUA010	1.57N			Dark gray	h=13mm	_		
SKHHDHA010	0.98N		500,000 cycles	Black	h _17mm			
SKHHDJA010	1.57N		300,000 cycles	Dark gray	h=17mm			

Joint stem type

Product No.	Operating	Operating	Operating life	Stem color	Stem color	Height	Minimum ord	er unit (pcs.)	Drawing
TTOUGET NO.	force	direction	(5mA 5V DC)		Ticigitt	Japan	Export	No.	
SKHHCWA010	0.98N		1,000,000 cycles	Black					
SKHHDAA010	1.57N	Top push	500,000 cycles	Dark gray	h=7.3mm	1,000	1,000	2	
SKHHDGA010	2.55N		200,000 cycles	Red					



Product Line With ground terminal type

Product No.	Operating	Operating	Operating life	Stem color	Height	Minimum ord	er unit (pcs.)	Drawing
TTOUGET NO.	force	direction	(5mA 5V DC)	Sterri Color	TICIBIL	Japan	Export	No.
SKHHPJA010	0.98N		1,000,000 cycles	Black				
SKHHPLA010	1.57N		500,000 cycles	Dark gray	h=4.3mm			
SKHHPQA010	2.55N		200,000 cycles	Red				
SKHHPKA010	0.98N		1,000,000 cycles	Black				3
SKHHPMA010	1.57N		500,000 cycles	Dark gray	h=5mm	- 1,000	1,000	
SKHHPRA010	2.55N	Top push	200,000 cycles	Red				
SKHHQVA010	0.98N	TOP pasin	1,000,000 cycles	Black				
SKHHQWA010	1.57N		500,000 cycles	Dark gray	h=7mm			
SKHHQYA010	2.55N		200,000 cycles	Red				
SKHHPNA010	0.98N		1,000,000 cycles	Black				
SKHHPPA010	1.57N		500,000 cycles	Dark gray	h=9.5mm			
SKHHQNA010	2.55N		200,000 cycles	Red				

Side push type								
Product No.	Operating	Operating	Operating life	Stem color	Stem length	Minimum ord		Drawing
	force	direction	(5mA 5V DC)			Japan	Export	No.
SKHHLMA010	0.98N		1,000,000 cycles	Black				
SKHHLNA010	1.57N		500,000 cycles	Dark gray	ℓ=3.85mm			
SKHHLPA010	2.55N		200,000 cycles	Red				
SKHHLQA010	0.98N		1,000,000 cycles	Black		1,000	1.000	4
SKHHLRA010	1.57N		500,000 cycles	Dark gray	ℓ=8.35mm			
SKHHLSA010	2.55N	Side push	200,000 cycles	Red				
SKHHLUA010	0.98N		1,000,000 cycles	Black				
SKHHLVA010	1.57N		500,000 cycles	Dark gray	ℓ=5.85mm			
SKHHLWA010	2.55N		200,000 cycles	Red				
SKHHNHA010	0.98N		500,000 cycles	Black				
SKHHNJA010	1.57N		300,000 cycles	Dark gray	ℓ=15.85mm			
SKHHNKA010	2.55N		200,000 cycles	Red				

Packing Specifications

Bulk

Product No.	Number of pa	ckages (pcs.)	Export package		
Plouuct No.	1 case /Japan 1 case /export packing		measurements (mm)		
Other	Other 10,000 30,00				
SKHHDT, SKHHDU SKHHDH, SKHHDJ SKHHNH, SKHHNJ SKHHNK	5,000	15,000	309×476×347		

Surface Mount Type

Radial Type

SKHH 6mm Square (Snap-in Type)

No.	Photo	Style	PC board mounting hole dimensions (Viewed from switch mounting face)
1	Top push type	h A 4.3 3.5 5 3.5 7 3.3 9.5 3 13 3 17 3	4-01 hole
2	Joint stem type	Stem 0.7	4-01 hole
3	With ground terminal type	h A 4.3 3.5 5 3.5 7 3.3 9.5 3	5-01 hole

//LPS//LPINE

Soft Feeling

TACT Switch[™]

Dimensions



Note

Please use 1.6mm thick PC boards.

Circuit Diagram



Product Line of Knobs

Product Line of Knobs							
Applicable model	Г	imensions			Variety		
	Ĺ			Color	Model		
					Keytop		
SKHH Applicable to joint stem type				Red Blue Ivory Black Yellow	SK2AA00410 SK2AA00420 SK2AA00430 SK2AA00440 SK2AA00450		

Note

The knob will be delivered together with the switch but packed separately.



TACT Switch[™] List of Varieties

	Туре				Sharp Feeling Type	9					
	Series	SKHL	SKHH	SKHW	Snap-in	SKQB	SKQE	SKHC			
	Photo										
		>	·)'	» ·	· · · › ·		• • • •	-,,			
	Features	_	-		_		Long-life				
	Water-proof	_	-	—	_	•	—	_			
	Dust-proof	_	-	•	•	•	•	_			
	IP standard	_	-	—	_	—	—	_			
Operati	ng Top push	•	•	٠	•	•	٠	•			
directio	Side push	-	-	_	_	_	_	_			
	W	6		3	□6.6	□10]12			
Dimensio (mm)		3.5		J	0.0)IC			
	Н	4.3/5	See the relevant pages for respective product descriptions	4.3/5	5	5/13/23.2	See the rele respective pro	vant pages for duct descriptions			
Operati	1N max. 1N to 2N	T		†		Ŧ	•				
force	2N to 3N	+		+		+	+	+			
coverag											
	4N to 5N Travel (mm)).25	0.3	0.25		0.3				
			.23		0.20		0.0				
	round terminal	-	• • • • • • • • • • • • • • • • • • •	_		_					
	ng temperature rang	e	-40℃ to +90℃		-20°C to +70°C	-40℃ to	907	-40°C to +85°			
A	utomotive use	•	•	_	_	•	_	_			
	Life Cycle	* 2	*3	*3	* 2	* 2	* 2	* 2			
	Rating (max.) (Resistive load)				50mA 12V DC						
Electrical	Rating (min.) (Resistive load)				10µA 1V DC						
erformance	Insulation resistan	се	100MΩ min. 100V DC 1min.								
	Voltage proof				250V AC 1min.						
~	Vibration				ne amplitude is 1.5r of X, Y and Z for 2						
Durability	Lifetime		St	nall be in accor	dance with individu	al specifications					
	Cold		-40°C 96h -30°C 96h				-40℃ 96h				
nvironmental performance	Dry heat		90°C 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	186	188	192	193	195	197	199			

D: Depth. The most outer dimension excluding terminal portion H: Height. The minimum dimension if there are variances.

Notes

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

2. Indicates applicability to all products in the series.



TACT Switch[™] List of Varieties

Туре -			0-	Sharp Feeling Type		Radial			
	Series	SKHL	SKHH	nap-in SKQJ	SKQB	SKRC			
	Photo		2010 2010			444			
		- Albert	Tops	Tapy	1	- David			
	Features	_	_	_	_	Round terminal type			
	Water-proof	—	_	_	•	٠			
	Dust-proof	_	—	•	•	٠			
	IP standard	_	_	_	_	_			
Operatir	Top push	_	_	-	_	٠			
directio	Side push	•	•	•	•	_			
	W	7.3	7.5	7.5	11.5	10			
Dimensic (mm)		7.22	7.85	7.85	11.9	¢ 9			
	Н	4.3	7.4	7.3	11.3	13			
Operatio force coverag	2N to 3N	•	ţ	Ţ	¢	ļ			
	Travel (mm)		0.25		0.3	0.25			
G	round terminal	•	•	_	_				
Operatin	ng temperature range	-40°C to +90°C		-20℃ to +70℃	−40℃ to +95℃	−30℃ to +85℃			
A	utomotive use	•	•		•	_			
	Life Cycle	2	*2		2				
	Rating (max.) (Resistive load)			50mA 12V DC					
Electrical	Rating (min.) (Resistive load)			10µA 1V DC					
erformance	Insulation resistance	100MΩ min. 100V DC 1min.							
	Voltage proof		250V AC 1min.						
	Vibration			n., the amplitude is 1.5mm ion of X, Y and Z for 2 ho					
Ourability	Lifetime			cordance with individual					
	Cold	-40°C	-40°C) 96h					
vironmental erformance	Dry heat	90°C	96h	80°C 96h	90°C	96h			
	Damp heat	6	0°C, 90 to 95%RH 9	6h	60°C, 90 to 9	5%RH 1,000h			
	Page	186	188	193	195	242			
				D : Depth. The r	nost outer dimension exe nost outer dimension exe minimum dimension if th	cluding terminal por			

 TACT Switch[™] Soldering Conditions
 249

 TACT Switch[™] Cautions
 250

Notes

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

2. Indicates applicability to all 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°C max.
Preheating time	60s max.
Soldering temperature	260°C 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.

SKHLTop 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°C max.
Duration of immersion	5s max.
Number of soldering	2times 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.)

Manual Soldering

Items	Condition
Soldering temperature	350°C max.
Duration of soldering	Зs max.
Capacity of soldering iron	60W max.

SKHH, SKHW Series

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

SKTD, SKTG, SKQJ Series

Items	Condition
Soldering temperature	350°C max.
Duration of soldering	Зs max.
Capacity of soldering iron	20W max.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ALPS:

SKHHQWA010SKHHLWA010SKHHPQA010SKHHBVA010SKHHBVA010SKHHNKA010SKHHDUA010SKHHQYA010SKHHAPA010SKHHDTA010SKHHLQA010SKHHALA010SKHHBWA010SKHHBSA010SKHHAQA010SKHHLVA010SKHHAMA010SKHHPPA010SKHHPNA010SKHHLSA010SKHHANA010SKHHNJA010SKHHDGA010SKHHPMA010SKHHCWA010SKHHCQA010SKHHARA010SKHHDJA010SKHHPJA010SKHHLMA010SKHHQNA010SKHHQVA010SKHHCRA010SKHHDJA010SKHHLNA010SKHHLMA010SKHHQNA010SKHHPKA010SKHHDA010SKHHPLA010SKHHLNA010SKHHDA010SKHHQNA010SKHHPKA010SKHHPRA010SKHHPLA010SKHHLPA010SKHHAJA010SKHHLUA010SKHHPKA010SKHHPRA010SKHHLRA010