Compact switch with contact sealing structure, also available with ground terminal



Typical Specifications		
Items	Specifications	
Rating (max.)	50mA 12V DC	
Rating (min.)	10µA 1V DC	
Initial contact resistance	500mΩ max.	
Travel (mm)	0.25	

Product Line

Top push type

Product No.	Operating force	Operating direction	Operating life	Minimum order unit (pcs.)		
TTOUUGENO.	Operating force		(5mA 5V DC)	Japan	Export	
SKQYACE010	0.98N		50,000 cycles	3,000	3.000	
SKQYAAE010	1.57N	Top puch				
SKQYABE010	2.55N	Top push				
SKQYAFE010	3.14N					

With ground terminal type

Product No. Operating force		Operating direction	Operating life	Minimum order unit (pcs.)		
Plouuct No.	Operating force	Operating direction	(5mA 5V DC)	Japan	Export	
SKQYPCE010	0.98N		50,000 cycles	3,000	3,000	
SKQYPAE010	1.57N					
SKQYPBE010	2.55N	Top push				
SKQYPDE010	3.14N					

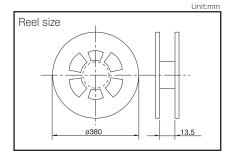
Packing Specifications

Taping

Number of packages (pcs.)			Tape width	Export package
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)
3,000	30,000	30,000	12	395×395×205

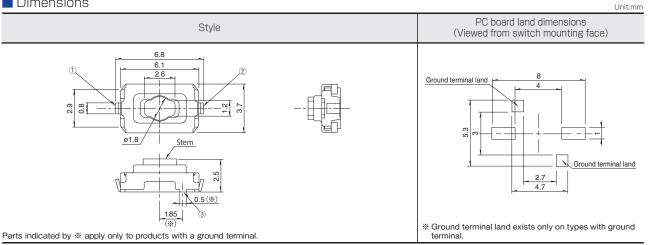
Note

For reels of 330mm diameter, please inquire.

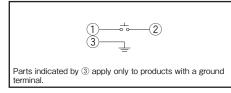








Circuit Diagram



TACT Switch[™] List of Varieties

	Туре					arp Feeling T				
	Series	SKRK	SKTH	SKRP	SKQM	Surface Mou	SKSU	SKST	SKRA	SKHM
		ORTIK		onn		ondr	UK00	OROT	ORTIA	
	Photo		Starts				A AND	Contraction of the second	No.	N.C.
	Features	Compact size Low-profile	Compact size	High operation force Compact size	Compa	act size		Middle trave	1	_
	Water-proof	-	—	_	_	_	•	_	0	_
	Dust-proof	_	•	_	_	_	•	_	0	_
	IP standard	_	_	_	_	_	67 equivalency		67 equivalency	_
Operatir	Top push	•	•	•	•	•	•	•	•	•
directio		_	_	_	_	_	_	_	_	_
	W	3.9	3.5	4.2	6	6.1	5.3	8.5	□6.2	6.2
Dimensio (mm)	D D	2.9	3.2	3.2	3.5	3.7	5.4	0.0	0.2	6.5
	Н	1.5/2	1.8/2.5	2.5	4.3/5	2.5	3.85	3.95	3.5/5.2	3.1
Operatio force coverag	2N to 3N	Ţ		^	Ţ	Ţ	\$	\$	Ţ	Ţ
	Travel (mm)	0.13	0.12	0.2	0.	25	0.7	0.9	See the relevant pages for respective product descriptions	0.25
G	round terminal	_		_		0				•
Operatin	ng temperature range	-40°C to +85°C		11	_	40°C to +9(วาว		1	−40°C to +85
A	utomotive use	_	•	•	•	•	•	•	0	_
	Life Cycle		¥2	*3			*3	2	**3	*3
	Rating (max.) (Resistive load)	50mA 12V DC	25mA 16V DC	50mA 16V DC	50mA	12V DC	50mA 1	IGV DC	50mA	12V DC
Electrical	Rating (min.) (Resistive load)					10µA 1V D0	2			
performance	Insulation resistance		100MΩ min. 100V DC 1min.							
	Voltage proof	250V AC 1min.								
Durchilite	Vibration		10	to 55 to 10H in the 3 d	lz/min., the a direction of >	amplitude is K, Y and Z fo	1.5mm for all t or 2 hours resp	the frequenc	cies,	
Durability	Lifetime		Shall be in accordance with individual specifications.							
	Cold	-40%	C 96h -40°C -40°C 96h -40°C 1,000h -40°C				-40℃ 96			
Environmental performance	Dry heat	90°C	nooo,1 300 nae 30e nae 3			٦	90°C 96h			
	Damp heat	60°C, 90 to	95%RH 96h	60°C, 90 to 95%RH 1,000h		to 95%RH Sh	60°C, 9	D to 95%RH	1 1,000h	60°C, 90 to 95%RH 96
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H : Height. The minimum dimension if there are variances.

 TACT Switch[™] Soldering Conditions
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 TACT Switch[™] Cautions
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Notes

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

2. Indicates applicability to all products in the series, while \bigcirc indicates applicability to some products in the series.

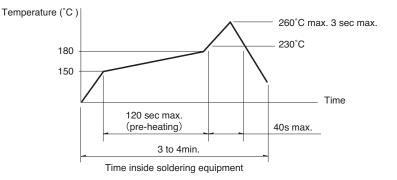
Soft Feeling



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	Бs 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°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

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

SKHH, SKHW, SKRG, SKPD Series

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

SKTD, SKTG, SKQJ, SKQK, SKEG Series

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