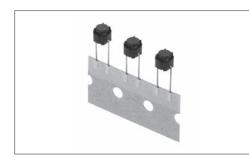
6.45mm Diameter Low Contact Resistance with Round Terminals (Radial Type)

aaifiaatiana

Soft feeling, low contact resistance metal contacts and round terminals with excellent PC board mounting performance





I ypical Specifications	
Items	Specifications
Rating (max.)	50mA 16V DC
Rating (min.)	10µA 1V DC
Initial contact resistance	100mΩ max.
Travel (mm)	1.3

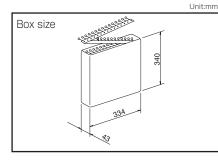
Product Line

Product No.	Operating	Operating direction	Operating life	Rubber color	Minimum order unit (pcs.)		
FIUUUGENU.	force		(5mA 5V DC)		Japan	Export	
SKPLAGD010	1.57N			Gray			
SKPLAKD010	1.96N	Top push	100,000 cycles	Green	2,700	2,700	
SKPLAFD010	2.45N			Yellow			

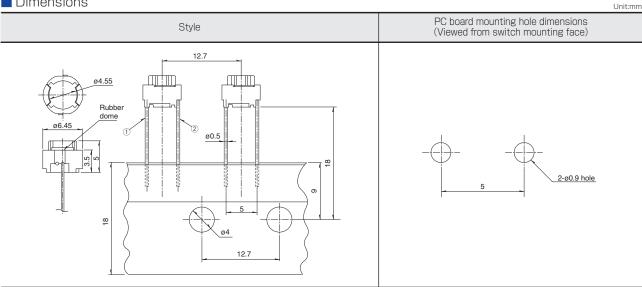
Packing Specifications

Radial taping

Number of packages (pcs.)			Export package measurements
1 box	1 case / Japan 1 case / export packing		(mm)
2,700	27,000	27,000	353×716×244



Dimensions



Circuit Diagram



Using a 1.6mm thick PC board is recommended.

Sharp Feeling

TACT Switch[™]



TACT Switch[™] List of Varieties

	Turne				So	oft Feeling Ty	pe			
	Туре		Snap-in			Surface	e Mount		Ra	adial
	Series	SKEG	SKEG	SKPF	SKPS	SKPM	SKPG	SKPR	SKPL	SKPD
	Photo				NEW		and the second s		Ë:	i.
	Features	-	_	High operation force Long travel	Low contact resistance	Low contact resistance	_	High operation force Low contact resistance	Round terminal Low contact resistanc	e —
V	Nater-proof	-	_	_	_	_	_	_	_	_
	Dust-proof	-	_	_	_	_	_	_	_	_
I	P standard	-	_	_	_	_	_	_	_	_
Operatii	Top push	•	_	•	•	•	•	•	•	•
directio		-	•	_	_	_	_	_	_	_
	W		7.5	8	5	.9	6.6	7.5		
Dimensio (mm)		6	9.9	9	(3	6.3	7.8	 <i>¢</i> 6.45	□7.8
	Н	See the relevant pages for respective product descriptions	7.3	10		5	1	6.5	5	See the relevant pages for respective product descriptions
	Contact		Carbon		Sil	ver	Carbon	Sil	ver	Carbon
Operatio force coverag	2N to 3N	ţ	1	ţ	¢	Ĵ	ţ		ţ	
Т	ravel (mm)	1		See the relevant pages for respective product descriptions	1.05	1	.3	1	1.3	See the relevant pages for respective product descriptions
Gro	ound terminal	-	_		_	_	_	_	_	
Operat	ting temperature range	−20°C t	o +70℃		1	_	40℃ to +90)°C		
Au	tomotive use	•	•	•	•	•	•	•	•	•
	Life Cycle									
	Rating (max.) (Resistive load)		5mA 12V D0			mA DC	5mA 12V DC		ImA 1 DC	5mA 12V DC
Electrical	Rating (min.) (Resistive load)		10μA 1V DC							
performance	Insulation resistance		5040min 100VDC Imin. 100MΩ min. 100V DC 1min. 100MΩ min.					50MΩ min. 100V DC 1min. SKPDAF: 100MΩ min. 100V DC 1min.		
	Voltage proof		250V AC 1min. 100/AC 1min. \$KPDAF.250VC 1min.							
During	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							
Durability	Lifetime	Shall be in accordance with individual specifications.								
Cold -30°C 96h -40°C 96h -40°C 1,000h -40°C		-40℃ 96h	-40℃	40°C 1,000h -40°C 9						
Environmental performance	Dry heat	308	96h	90°C 96h	90°C 1,000h		90°C 96h	90°C 1,000h		90°C 96h
	Damp heat	60°C, 9	90 to 95%R	H 96h	60°C, 90 to 9	5%RH 1,000h	60°C, 90 to 95%RH 96h		to 95%RH 00h	60°C, 90 to 95%RH 96h
	Page	25	56	258	259	260	261	262	263	264

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.

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Notes

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

2. lace Indicates applicability to all products in the series.

Sharp Feeling

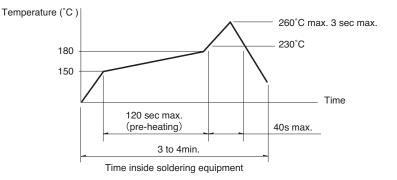




Condition for Reflow

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.

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