

Power Switch 5A 250V AC Qualified Primary Input Voltage Selection Type SDKP Series



Primary voltage changeover switch replacing the SDKG.

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

Multi Control
Devices

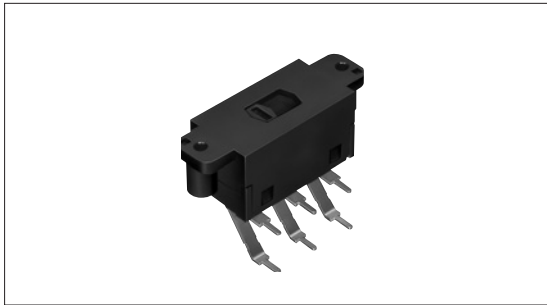
TACT Switch™

Custom-
Products

Push
Type

Rocker
Type

**Slide
Type**



Features

- Dimensions, mounting configuration and the terminal layout specifications are compatible to the SDKG series.
- No cadmium used in contacts.
- Complies with safety standards in each country (C-UL-US and SEMKO).

Applications

- For switching primary input voltage according to the export destination-for speaker systems, receivers and various audio equipment

Ratings and Safety Standards

Items	Specifications
UL CSA	5A 250V AC
SEMKO	5A 250V~
Ratings satisfying local electrical appliance and material safety law	250V 5A≠

Product Line

Circuit arrangement	Travel (mm)	Operating force	Mounting method	Terminal configuration	Turn stopper	Marking variety	Minimum packing unit (pcs.)	Product No.	Drawing No.
DPDT	6	10 ⁺¹⁰ / ₋₅ N	Self-tap (for M2.6)	Right angle	Without	Without marking	100	SDKPA40100	1
					With			SDKPA40200	2
			Self-tap (for M3)		Without			SDKPA40300	1
					With			SDKPA40400	2

Refer to P.267 for product specifications.

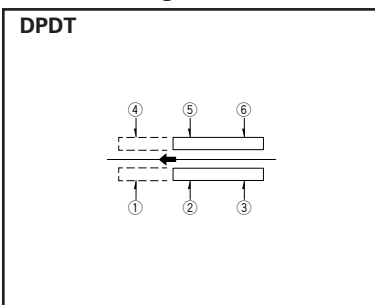
Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions
1	<p>Technical drawing of Style 1 power switch. Dimensions include: Travel (42, 36, 28, 6), 15.6, 10, 4, 1.2, 17, 14, 2.5, 8, 9, 9, 7, 0.8, 0.8. Features include 2-ϕ2.2 or 2-ϕ2.5 hole, PC board mounting face, Terminal No.①, and Terminal No.④. A blue arrow labeled 'A' indicates the viewing direction.</p>	<p>PC board mounting hole dimensions for Style 1: 6-ϕ2 holes arranged in a 2x3 grid with 9mm spacing between columns and 8mm spacing between rows.</p>
2	<p>Technical drawing of Style 2 power switch. Dimensions include: Travel (42, 36, 28, 26, 6), 15.6, 10, 4, 1.2, 17, 14, 2.5, 8, 9, 9, 7, 0.8, 0.8. Features include 2-ϕ2.2 or 2-ϕ2.5 hole, 2-ϕ2 hole, PC board mounting face, Terminal No.①, and Terminal No.④. A blue arrow labeled 'A' indicates the viewing direction.</p>	<p>PC board mounting hole dimensions for Style 2: 6-ϕ2 holes arranged in a 2x3 grid with 9mm spacing between columns and 8mm spacing between rows.</p>

- Detector
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- Dual-in-line Package Type
- Multi Control Devices
- TACT Switch™
- Custom-Products
- Push Type
- Rocker Type
- Slide Type**

Circuit diagram (Viewed from direction A)



Product Specifications

Items	Type		Slide			Rotary
	Series		SDKG SDKH	SDKP	SDKT	SDKZ
Operating temperature range		-10°C to +60°C				-10°C to +70°C
Rating		5A 250V AC			6A 125V AC	PS:16(6)A 250V AC,14(6)A 250V AC DC:0.1A 12V AC
Electrical performance	Contact resistance	50mΩ max. (SDKG) 100mΩ max. (SDKH)	100mΩ max.	10mΩ max.	100mΩ max.	1Ω max.
	Insulation resistance	500MΩ min. (SDKG) 100MΩ min. (SDKH) 500V DC	500MΩ min. 500V DC	1,000MΩ min. 500V DC	500MΩ min. 500V DC	100MΩ min. 100V DC
	Voltage proof	2,000V AC for 1minute			1,000V AC for 1minute	2000V AC for 1minute 100V AC for 1minute
Mechanical performance	Terminal strength		10N for 1minute			20N 5N
	Actuator strength	Operating direction	50N		30N	—
		Perpendicular direction	—		10N	30N
	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			5 to 10 Hz/min., the amplitude is 1.5mm for all the frequencies, in the 3 direction of X, Y and Z for 10 hours respectively
	Resistance to soldering heat	Manual soldering	350±10°C, 3±0.5s			350±10°C, 3+ ₀ s
Dip soldering		260±5°C, 10±1s				
Durability	Operating life		100cycles	20,000cycles	10,000cycles 30,000cycles	
			Without load	Load : As ratings		
Environmental performance	Cold	-20±2°C for 96h			-40±2°C for 240h	
	Dry heat	85±2°C for 96h			85±2°C for 240h	
	Damp heat	40±2°C, 90 to 95%RH for 96h			40±2°C, 90 to 95%RH for 240h	

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