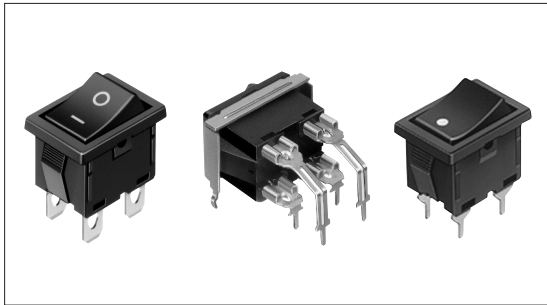


Power Switch 10A 250V AC Qualified Type

SDDJE Series



100A inrush current compatible, compact and large capacity snap-in type with easy mounting.



Ratings and Safety Standards

Items	Specifications
UL, CSA	10A 250V AC
SEMKO	6A/96A 250V~, 10 (6)/250~
VDE	6A/96A 250V~, 10 (6)/250~
BS	6A/96A 250V~, 10 (6)/250~
Ratings satisfying local electrical appliance and material safety law	125V 10A≋

Product Line

Circuit arrangement	Travel (mm)	Operating force	Mounting method	Terminal configuration	Frame	Marking (Knob)	Minimum order unit (pcs.)	Product No.	Drawing No.
SPST	3.4	3±2N	Snap-in	Lead	Without	Without	2,000	SDDJE11600	1
				Right angle	With		1,250	SDDJE12200	2
				Lead	Without	● mark	2,000	SDDJE10300	1
				Right angle	With		1,250	SDDJE12300	2
				Lead	Without	IO mark	2,000	SDDJE10700	1
				Right angle	With		1,250	SDDJE12400	2
				Lead	Without	—O mark	2,000	SDDJE11200	1
				Right angle	With		1,250	SDDJE12500	2
DPST		6±3N		Lead	Without	Without	2,000	SDDJE31600	3
				Right angle	With		1,250	SDDJE32000	5
				Lead	Without	● mark	2,000	SDDJE30100	3
				For PC board				SDDJE32700	6
				Right angle				SDDJE30200	4
					With		1,250	SDDJE32100	5
				Lead	Without	IO mark	2,000	SDDJE30300	3
				For PC board				SDDJE33300	6
	Right angle		SDDJE30500	4					
			With	1,250			SDDJE30400	5	
Lead	Without	—O mark	2,000	SDDJE30700	3				

Packing Specifications

Bulk

Product No.	Number of packages (pcs.)		Export package measurements (mm)
	1 case /Japan	1 case /export packing	
SDDJE11600, SDDJE10300, SDDJE10700, SDDJE11200, SDDJE31600, SDDJE30100, SDDJE32700, SDDJE30200, SDDJE30300, SDDJE33300, SDDJE30500, SDDJE30700	400	2,000	411 × 328 × 379
SDDJE12200, SDDJE12300, SDDJE12400, SDDJE12500, SDDJE32000, SDDJE32100, SDDJE30400	250	1,250	

Notes

- The lead terminals are also used as tab terminals#187 (Use a positive lock connector type).
- The lead terminal type can be mounted onto a board. (Manual soldering required)
- Standard products apply Grade V-2 material (Flame Class). For Grade V-0 type please contact us.
- Products other than those listed in the above chart are also available. Please contact our us for details.
- Please place purchase orders per minimum order unit N (integer).

ALPS

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

Custom-
Products

Push
Type

Rocker
Type

Slide
Type

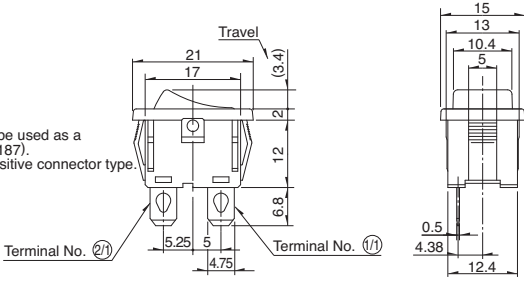
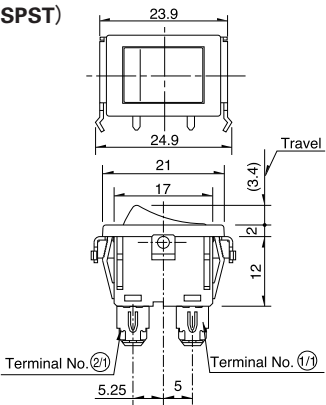
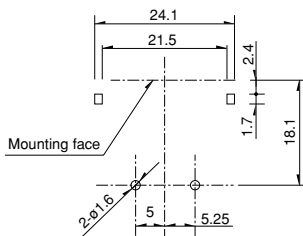
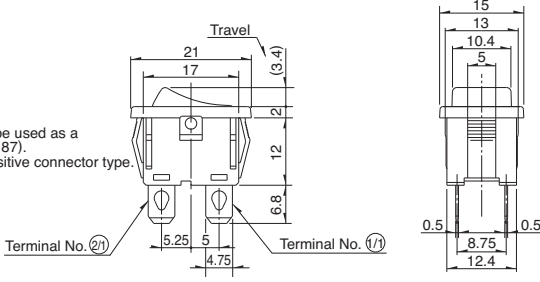
Rotary
Type



Automotive
Use

Dimensions

Unit:mm

No.	Configuration (ON position)	
1	Lead (SPST) ※ This can also be used as a tab terminal(#187). Please use positive connector type. 	
2	Right angle (SPST) With frame PC board mounting surface 	PC board mounting hole dimensions 
3	Lead (DPST) ※ This can also be used as a tab terminal(#187). Please use positive connector type. 	



Automotive Use

Dimensions

Unit:mm

No.	Style (ON position)	PC board mounting hole dimensions
4	Right angle (DPST)	
5	Right angle (DPST) With frame	
6	For PC board (DPST)	

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

Custom-
Products

Push
Type

Rocker
Type

Slide
Type

Rotary
Type

Circuit Diagram

SPST	DPST
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Automotive
Use

Detector

Push

Slide

Rotary

Encoders

Power

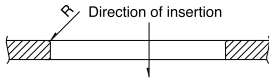
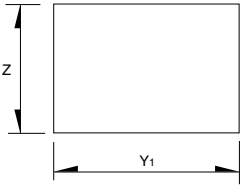
Dual-in-line
Package Type

TACT Switch™

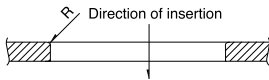
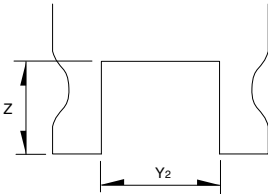
Custom-
Products

■ Mounting Hole Dimensions

Square-shaped Hole		Unit:mm
Thickness of mounting board	Y ₁	Z
0.75 to 1.25	19.2 ⁰ _{-0.1}	12.9 ^{+0.1} ₀
1.25 to 2.00	19.4 ⁰ _{-0.1}	



U-shaped Hole		Unit:mm
Thickness of mounting board	Y ₂	Z
0.75 to 1.1	19.5 ⁰ _{-0.1}	12.9 ^{+0.1} ₀
1.1 to 1.7	19.7 ⁰ _{-0.1}	
1.7 to 2	19.9 ⁰ _{-0.1}	



Note

Verify the performance under actual product conditions before use.

■ Marking Variety

Without marking	With ● marking	With I, O marking	With —, O marking

Push
Type

Rocker
Type

Slide
Type

Rotary
Type



List of Varieties

Items	Type	Push		Rocker	
	Series	SDKN	SDKR	SDDJE ※1 ※2	SDDJF ※1 ※2
Detector	Photo				
Push					
Slide	Travel (mm)	9 9.7	1.5	3.5	5.2
Rotary	Remark	—	Water-proof type	—	—
Encoders	Operating temperature range	−20°C to +60°C	−10°C to +85°C	−10°C to +55°C	
Power	Automotive use	—	—	○	○
Dual-in-line Package Type	Rating	0.25A 250V AC 0.5A 125V AC 5mA 5V DC	0.5A 250V AC 1A 125V AC	10A 250V AC 6A/96A 250V~	16A 250V AC 16 (6)/250~
TACT Switch™	Electrical performance	Contact resistance	100mΩ max.		
Custom-Products		Insulation resistance	500MΩ min. 500V DC		
		Voltage proof	1,000V AC for 1minute	2,000V AC for 1minute	
Push Type	Mechanical performance	Terminal strength	50N for 1minute	5N for 1minute	60N for 1minute
Rocker Type		Actuator strength	Operating direction	20N	100N
Slide Type			Perpendicular direction	25N	
Rotary Type		Resistance to soldering heat	Manual soldering	300±10°C, 3±0.5s	
			Dip soldering	260±5°C, 10±1s	
	Durability	Operating life	6,000cycles	100,000cycles	10,000cycles
			Load : as ratings	Refer to individual product spec.	Load : as ratings
	Environmental performance	Cold	−30±2°C for 96h	−20±2°C for 240h	−20±2°C for 96h
		Dry heat	85±2°C for 96h	85±2°C for 240h	85±2°C for 96h
		Damp heat	40±2°C, 90 to 95%RH for 96h	60±2°C, 90 to 95%RH for 1000h	40±2°C, 90 to 95%RH for 96h
	Page	249	251	252	256

- Power Switches Cautions264
- Power Switches Safety Standard265, 266, 267

Notes

- ※1. Dip soldering can be used on SDDJE For PC board terminal and SDDJF right angle terminal types only.
- ※2. The operating temperature range for automotive applications can be raised upon request. Please contact us for details.
- marks in "Available for automotive use" indicate that some of the series products can work at the operating temperature range from -40°C to +85°C.