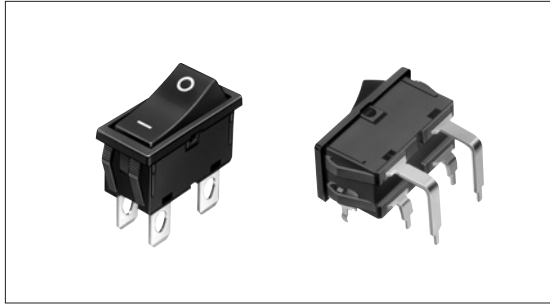


Power Switch 16A 250V AC Qualified Type

SDDJF Series



Low-profile large capacity type suitable for photo copy machines and printers.



Features

- Conforms to safety standards for electrical appliance.
- Improved space saving structure with reduced depth dimensions.
- Snap-in type for easy mounting.
- Compatible to positive lock connectors (faston terminal #250).
- Circuit variations of single-pole single-throw and double-pole single-throw.
- Applicable to a rush current of 160A.

Applications

- For power units in information and office devices that require large currents-copy machines and laser printers
- For LCD displays, various general and home appliances
- For switching power supplies

Ratings and Safety Standards

Items	Specifications
UL CSA	16A 250V AC
SEMKO	16 (6) /250~
VDE	16 (6) /250~
BS	16 (6) /250~
Ratings satisfying local electrical appliance and material safety law	125V 16A \neq

Product Line

Circuit arrangement	Travel (mm)	Operating force	Mounting method	Terminal configuration	Marking (Knob)	Minimum packing unit (pcs.)	Product No.	Drawing No.
DPST	5.2	6 \pm 3N	Snap-in	Lead	● mark	100	SDDJF30100	1
					I-O mark		SDDJF30200	
		3 \pm 2N		Right angle	● mark		SDDJF31000	2
					I-O mark		SDDJF31100	

Note

The lead terminals are also used as faston terminals #250 (Use a positive lock connector type).

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

Multi Control
Devices

TACT Switch™

Custom-
Products

Push
Type

Rocker
Type

Slide
Type

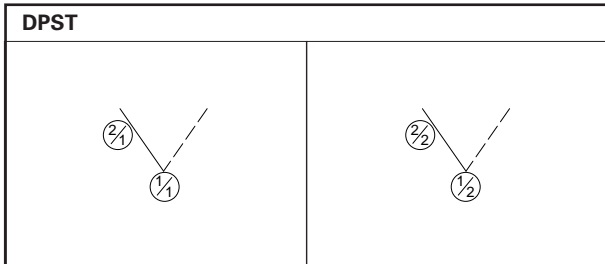
Refer to P.266 for product specifications.

Dimensions

Unit:mm

No.	Configuration (ON position)	
1	<p>Lead (DPST)</p>	
2	<p>Right angle (DPST)</p>	<p>PC board mounting hole dimensions</p>

Circuit Diagram



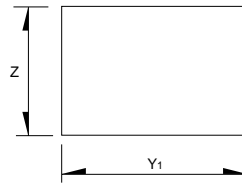
- Detector
- Push
- Slide
- Rotary
- Encoders
- Power**
- Dual-in-line Package Type
- Multi Control Devices
- TACT Switch™
- Custom-Products
- Push Type
- Rocker Type**
- Slide Type

Mounting Hole Dimensions

Square-shaped Hole

Unit:mm

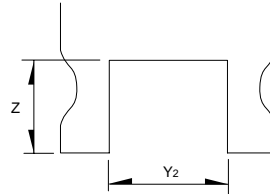
Thickness of mounting board	Y ₁	Z
0.75 to 1.25	28.2	12.9
1.25 to 2.00	28.4	



U-shaped Hole

Unit:mm

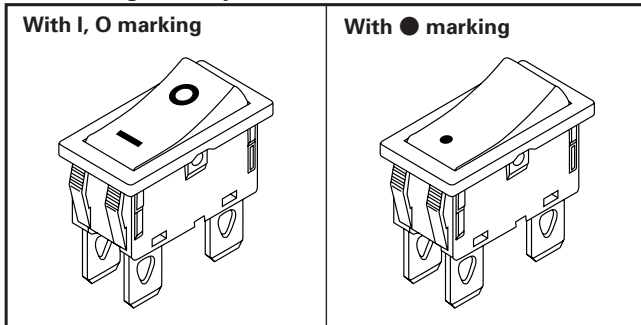
Thickness of mounting board	Y ₂	Z
0.75 to 1.1	28.4	12.9
1.1 to 1.7	28.6	
1.7 to 2	28.8	



Note

Verify the performance under actual product conditions before use.

Marking Variety



Notes

1. Consult with us for other markings.
2. The standard color of the knob and casing is black. Other colors (gray, ivory) are available upon request.

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

Multi Control
Devices

TACT Switch™

Custom-
Products

Push
Type

**Rocker
Type**

Slide
Type

Products Specifications

Items	Type	Push				Rocker							
	Series	SDKN	SDKS	SDKQ	SDKR	SDDJE ※1 ※2	SDDJF ※1 ※2						
Detector	Operating temperature range	-20°C to +60°C	-30°C to +60°C	-10°C to +60°C	-10°C to +85°C	-10°C to +55°C							
Push	Rating	0.25A 250V AC 0.5A 125V AC 5mA 5V DC	2A 250V AC 4A 125V AC	3A 125V AC L	0.5A 250V AC 1A 125V AC	6A/96A 250V ~	16(6)/250 ~						
Slide	Electrical performance	Contact resistance	100mΩ max.	50mΩ max.	100mΩ max.	100mΩ max.							
Rotary		Insulation resistance	500MΩ min. 500V DC	100MΩ min. 500V DC	500MΩ min. 500V DC		500MΩ min. 500 V DC						
Encoders		Voltage proof	1,000V AC for 1minute	1,500V AC for 1minute		1,000V AC for 1minute	2,000V AC for 1minute						
Power	Mechanical performance	Terminal strength	50N for 1minute	70N for 1minute	—	5N for 1minute	10N for 1minute	60N for 1minute					
Dual-in-line Package Type		Actuator strength	Operating direction		20N		100N		25N				
Multi Control Devices			Perpendicular direction		20N		30N		20N		25N		
TACT Switch™		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									
Custom-Products		Resistance to soldering heat	Manual soldering		—		300±10°C, 3±0.5s		350±10°C, 3±0.5s				
Push Type	Dip soldering		—		260±5°C, 10±1s		※260±10°C, 10±1s						
Rocker Type	Durability	Operating life		6,000cycles		12,000 cycles		100,000 cycles		10,000cycles			
Slide Type		Load:as ratings				Refer to individual product spec.		Load : as ratings					
Environmental performance	Cold	-30±2°C for 96h		-40±2°C for 96h		-25±2°C for 240h		-20±2°C for 240h		-20±2°C for 96h			
		85±2°C for 96h				85±2°C for 240h				85±2°C for 96h			
		40±2°C 90 to 95%RH for 96h		40±2°C 90 to 95%RH for 240h		60±2°C 90 to 95%RH for 1000h		40±2°C, 90 to 95%RH for 96h					

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 requirements of this kind.