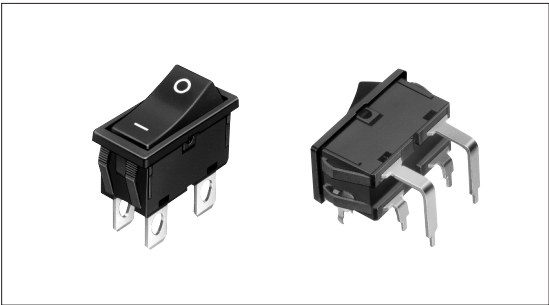


Power Switch
16A 250V AC Qualified Type
SDDJF Series



160A inrush current compatible, low-profile and large capacity type suitable for photocopiers and printers.



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≠

Product Line

Circuit arrangement	Travel (mm)	Operating force	Mounting method	Terminal configuration	Marking (Knob)	Minimum order unit (pcs.)	Product No.	Drawing No.
DPST	5.2	6±3N	Snap-in	Lead	● mark	1,500	SDDJF30100	1
					IO mark		SDDJF30200	
		3±2N		Right angle	● mark	1,000	SDDJF31000	2
					IO mark		SDDJF31100	

Packing Specifications

Bulk

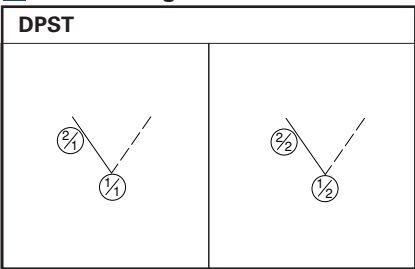
Product No.	Number of packages (pcs.)		Export package measurements (mm)
	1 case /Japan	1 case /export packing	
SDDJF30100, SDDJF30200	150	1,500	379×283×508
SDDJF31000, SDDJF31100	100	1,000	555×381×267

Dimensions

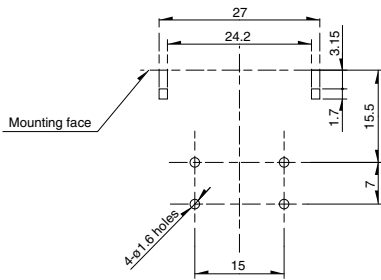
Unit:mm

No.	Style(ON position)
1	Lead
2	Right angle

Circuit Diagram



PC board mounting hole dimensions



Notes

1. The lead terminals are also used as tab terminals #250 (Use a positive lock connector type).
2. Please place purchase orders per minimum order unit N (integer).

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

TACT Switch™

Custom-
Products

Push
Type

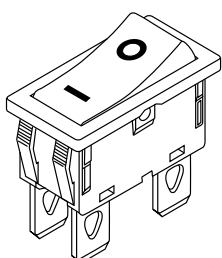
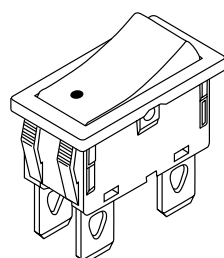
Rocker
Type

Slide
Type

Rotary
Type



Automotive
Use

Power Switch		16A 250V AC Qualified Type SDDJF Series	
Detector Push Slide Rotary Encoders Power Dual-in-line Package Type TACT Switch™ Custom-Products Push Type Rocker Type Slide Type Rotary Type	■ Mounting Hole Dimensions		
	Square-shaped Hole		Unit:mm
	Thickness of mounting board	Y ₁	Z
	0.75 to 1.25	28.2 ⁰ _{-0.1}	12.9 ^{+0.1} ₀
	1.25 to 2.00	28.4 ⁰ _{-0.1}	
	U-shaped Hole		Unit:mm
	Thickness of mounting board	Y ₂	Z
	0.75 to 1.1	28.4 ⁰ _{-0.1}	12.9 ^{+0.1} ₀
	1.1 to 1.7	28.6 ⁰ _{-0.1}	
	1.7 to 2	28.8 ⁰ _{-0.1}	
	Note		Verify the performance under actual product conditions before use.
	■ Marking Variety		
	With IO marking		With ● marking
			



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.