



► FEATURES

- 4000V dielectric strength
- Photo isolation
- Built-in snubber
- Zero cross or random turn-on
- TRIAC AC output
- Panel mount
- DC or AC control
- With LED indicator or not
- Environmental protection product available (RoHs compliant)
- Size (LxWxH) : 58.4 x 45.7 x 22.9mm
- E197546 



► DESCRIPTION

The SJ offer 3-32VDC, 110VAC, or 220VAC input control, with outputs rated at 10,15,20,25 or 40Amps. All models include an internal snubber. The relays provide 4000Vrms optoisolation, between input and output. Outline dimension is 58.4 x 45.7 x 22.9mm.

► INPUT

Control voltage range (DC input)	3 to 32VDC
Control voltage range (AC input)	85 to 132VAC (110V input) 175 to 264VAC (220V input)
Must operate voltage (DC input)	Max. 3 VDC
Must operate voltage (AC input)	85VAC (110V input) 175VAC (220V input)
Must release voltage (DC input)	Min. 1.0VDC
Must release voltage (AC input)	10VAC
Maximum input current (DC input)	25mA (at 32VDC)
Maximum reverse protection voltage (DC input)	-32VDC

► OUTPUT

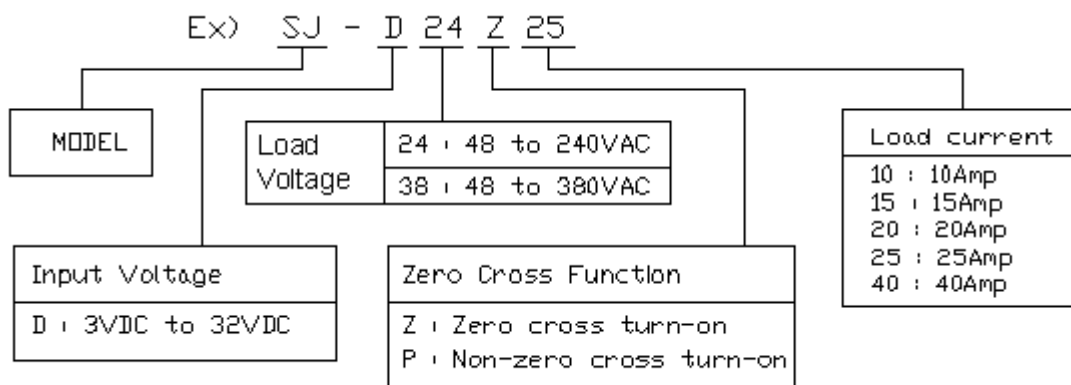
Type (SJ- D□□□)	D□□10	D□□15	D□□20	D□□25	D□□40
Load Voltage range(at 47-63HZ)	D240 48 to 280Vrms				D380 48 to 400Vrms
	D380 48 to 400Vrms				
Transient over voltage	D240 600Vpk				D380 800Vpk
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Load current range(A)	0.1 to 10	0.1 to 15	0.1 to 20	0.1 to 25	0.1 to 40
Max. surge current(10ms)	100Vpk	150Vpk	200Vpk	250Vpk	400Vpk
Max. leakage current	5mA	5mA	5mA	5mA	5mA
Max. on-state voltage drop	1.5VAC				
Max. turn-on time	1/2 cycle + 1ms (Zero cross)				
Max. turn-on time	1ms (Random turn-on)				
Max. turn-on time	1/2 cycle + 1ms				
Min. off-state(dv/dt)	200V / μS				

Min. power factor	0.5
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► GENERAL

Type (SJ- D□□□)		D□□10	D□□15	D□□20	D□□25	D□□40
Dielectric strength (input to output)		4000VAC (50/60 Hz, 1 min.)				
Insulation resistance		1000MΩ (50/60 Hz, 1 min.)				
Ambient temperature	Operating	-30°C to +80°C				
	Storage	-30°C to +100°C				
Unit weight		Typically 88g				

► ORDERING INFORMATION



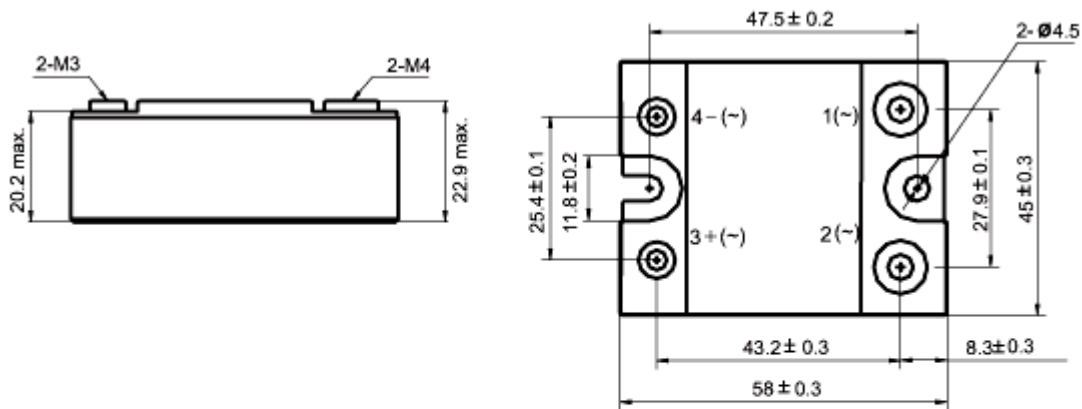
► PRECAUTIONS

1. When choosing a SSR, please notice the actual load current and working ambient temperature. To use the SSR correctly, please refer to CHARACTERISTICS DATA and make sure the heat sink size when it works in full load current.
2. Apply heat-radiation silicon grease or heat conductive sheet between the SSR and heat sink. There will be a space between the SSR and heat sink Attached to the SSR. Therefore, the generated heat of the SSR cannot be radiated properly without the grease. As a result, the SSR may be overheated and damaged or deteriorated.
3. Tighten the SSR terminal screws properly. If the screws are not tight, the SSR will be damaged by heat generated when the power is ON. Perform wiring using the tightening torque shown in the following table.

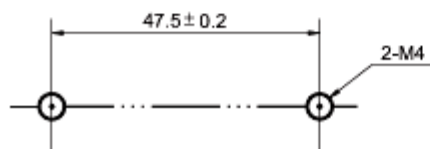
Screw size	Recommended tightened torque
M3	0.58 to 0.98 N·m
M4	0.98 to 1.37 N·m

► DIMENSIONS (Unit: mm)

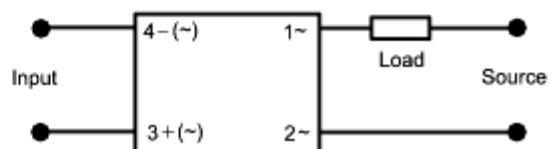
Outline Dimensions



Mounting Hole Layout



Schematics



► CHARACTERISTICS CURVE

