

## Solid State Relay KSJ100 Series DC Output

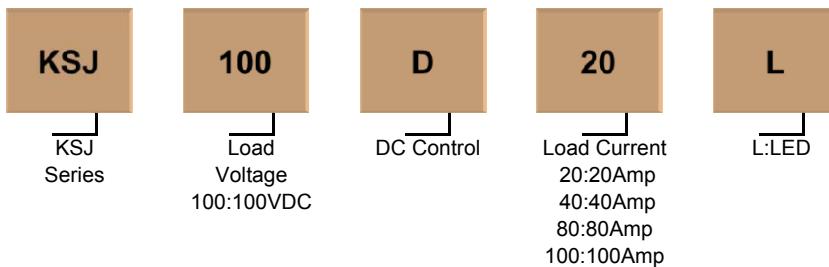


- Ratings: 20A, 40A, 80A, 100A @100VDC
- 4-32VDC control input
- Dielectric strength ≥ 2500VACrms
- Opto-isolation
- Panel mounted
- RoHS compliant

### Product Description

KSJ100 series is DC output panel mounted solid state relay. Control voltage is 4-32VDC, load voltage is 0-100VDC, output current is 20A, 40A, 80A and 100A. Opto-isolation between input and output, dielectric strength ≥ 2500VACrms.

### Product Selection



Description	20A	40A	80A	100A
D:4-32VDC	KSJ100D20	KSJ100D40	KSJ100D80	KSJ100D100
	KSJ100D20-L	KSJ100D40-L	KSJ100D80-L	KSJ100D100-L

### Technical Specification

#### Input Circuit

Control Voltage Range 4-32VDC

Minimum Turn-On Voltage 4VDC

Minimum Turn-Off Voltage 1VDC

Maximum Input Current 28mA @32VDC

#### Output Circuit

Load Voltage Range 0-100VDC

20A	0.001 - 20A
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40A	0.001 - 40A
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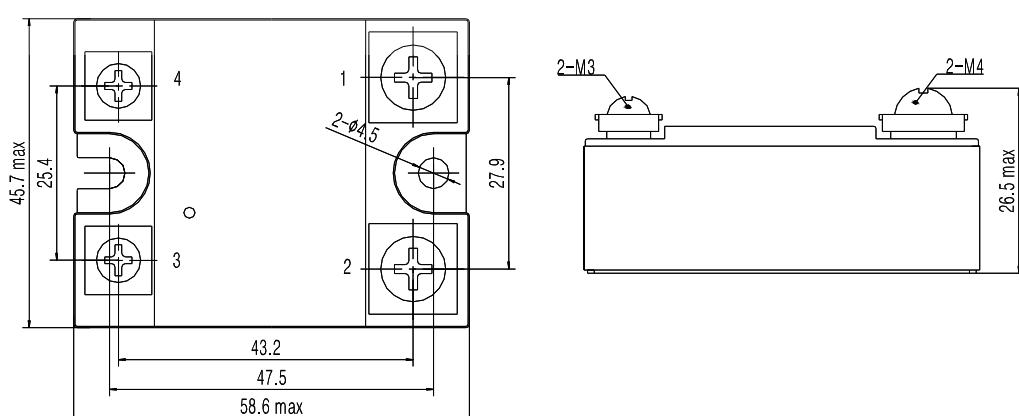
80A	0.001 - 80A
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100A	0.001 - 100A
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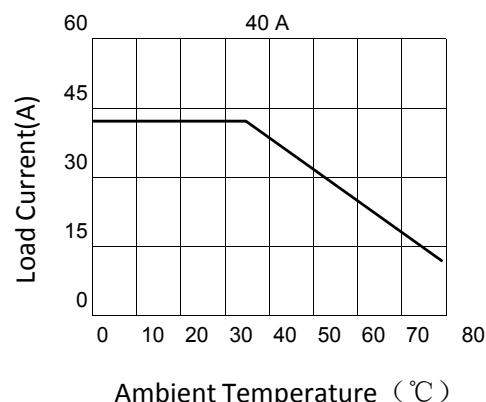
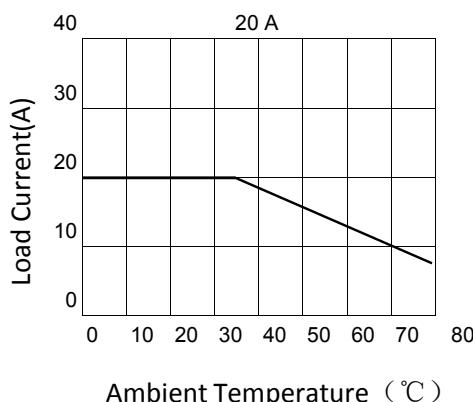
20A	80A
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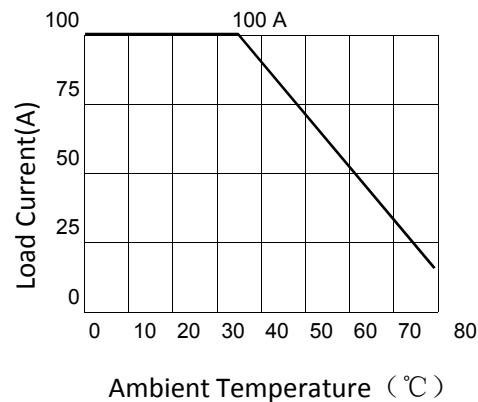
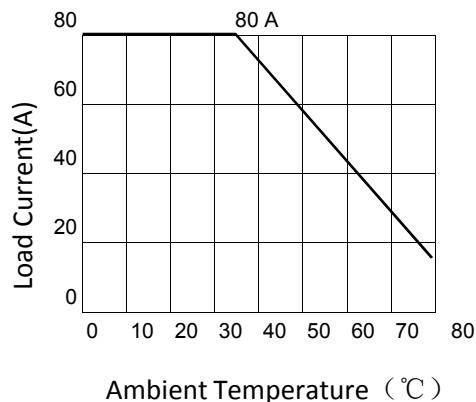
Maximum Surge Current(@10ms)	40A 80A 100A	160A 400A 550A
Maximum Turn-On Time		100μs
Maximum Turn-Off Time		500μs
Maximum Off-State Leakage Current [@ Rated Voltage]		0.1mA
Maximum On-State Voltage Drop [@ Rated Current]		1.5VDC
<b>General Information</b>		
Dielectric Strength, Input/Output/Base (50/60Hz)		≥2500Vrms
Ambient Operating Temperature Range		-30°C ~ +80°C
Ambient Storage Temperature Range		-30°C ~ +100°C
Weight (typical)		80g
<b>Application</b>		
Suitable for DC heating, DC power, DC valve, DC motor, solar energy and so on.		

## Installation



## Thermal Curve





### Important Notice

1. Suppression circuit should be added when used for inductive load.
2. Control polarity shall be correct, otherwise may damage the product.
3. Load current performance will decline when the ambient temperature is over 40°C.

### Product Certification

