

Solid State Relay

KSJ100 Series DC Output

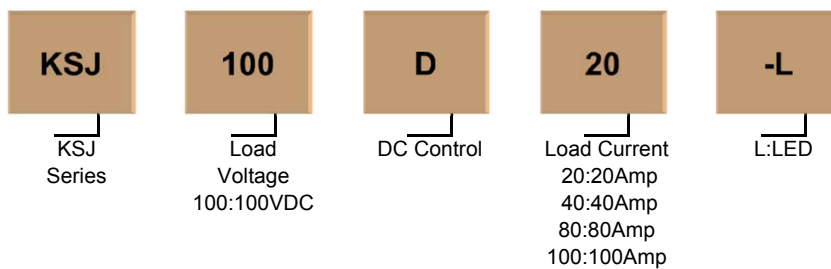


- Ratings:20A, 40A, 80A, 100A @100VDC
- 4-32VDC control input
- Dielectric strength \geq 2500VACrms
- Opto-isolation
- Panel mounted
- RoHS compliant

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 \geq 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	
Load Current Range	20A	0.001 - 20A
	40A	0.001 - 40A
	80A	0.001 - 80A
	100A	0.001 - 100A
	20A	80A

Maximum Surge Current (@10ms)	40A	120A
	80A	200A
	100A	250A
Maximum Turn-On Time	100 μ s	
Maximum Turn-Off Time	500 μ s	
Maximum Off-State Leakage Current [@ Rated Voltage]	0.1mA	
Maximum On-State Voltage Drop [@ Rated Current]	1.5VDC	

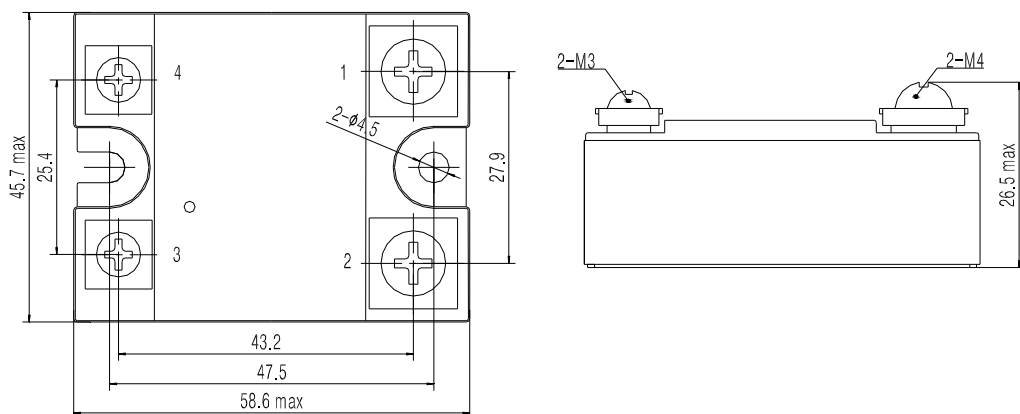
General Information

Dielectric Strength, Input/Output/Base (50/60Hz)	≥ 2500 Vrms
Ambient Operating Temperature Range	-30 $^{\circ}$ C ~ +80 $^{\circ}$ C
Ambient Storage Temperature Range	-30 $^{\circ}$ C ~ +100 $^{\circ}$ C
Weight (typical)	80g

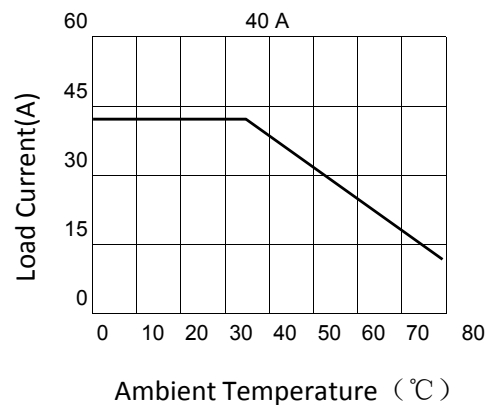
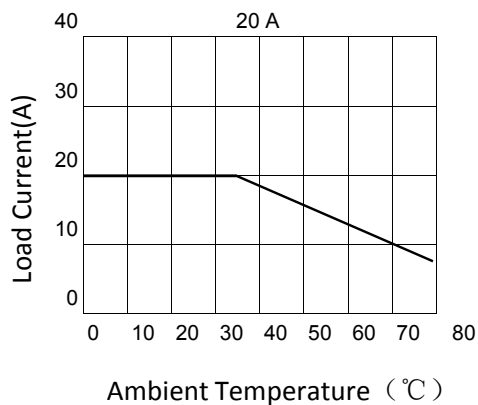
Application

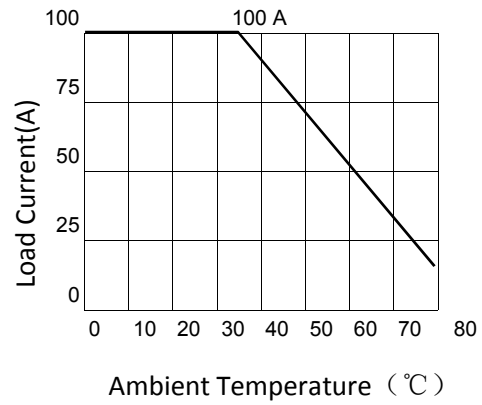
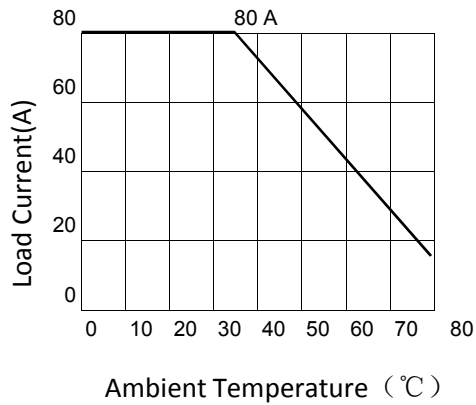
Suitable for DC heating, DC power, DC valve, DC motor, solar energy and so on.

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

