KUDOM
by
SONG CHUAN EUROPE GmbH

Solid State Relay
KSJ100 Series DC Output

- **MOSFET output**
- **Ratings:20A, 40A, 80A, 100A @100VDC**
- **Low on resistance**
- **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

KSJ	100	D	20	L
KSJ Series	Line Voltage 100:100VDC	DC Control	Load Current 20:20Amp 40:40Amp 80:80Amp 100:100Amp	Other L:LED

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

Technical Specification

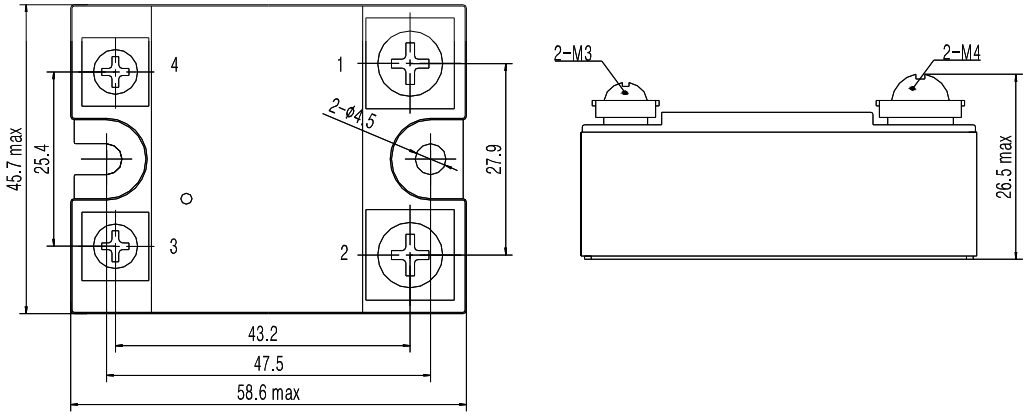
Input Circuit		
Control Voltage Range		4-32VDC
Minimum Turn-On Voltage		4VDC
Minimum Turn-Off Voltage		1VDC
Maximum Input Current		28mA @32VDC
Output Circuit		
Line Voltage Range		0-100VDC
Load Current Range	20A	0.001 - 20A
	40A	0.001 - 40A
	80A	0.001 - 80A
	100A	0.001 - 100A
	20A	80A

Maximum Surge Current(@10ms)	40A	160A
	80A	400A
	100A	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
General Information		
Dielectric Strength, Input/Output/Base (50/60Hz)		⩾2500Vrms
Ambient Operating Temperature Range		-30℃ ～ +80℃
Ambient Storage Temperature Range		-30℃ ～ +100℃
Weight (typical)		80g

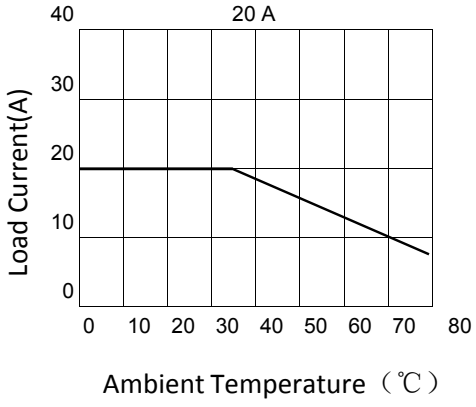
Application

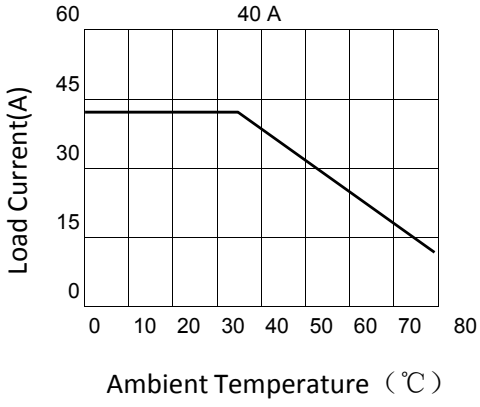
Suitable for DC heating，DC power，DC valve，DC motor，solar energy and so on.

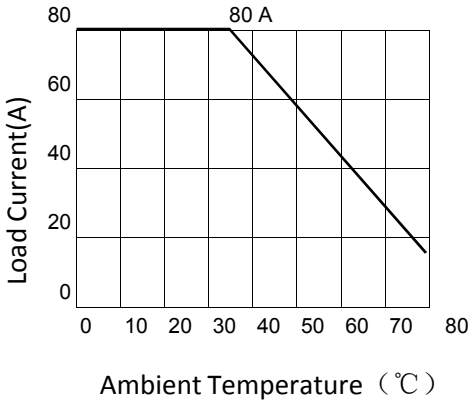
Installation

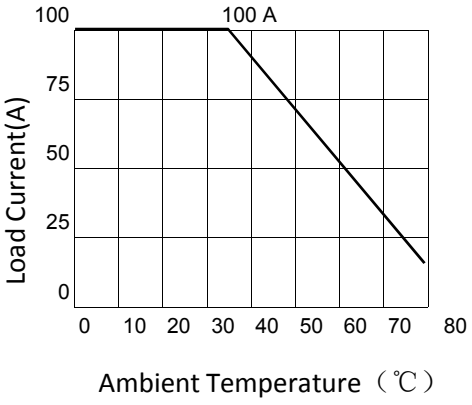


Thermal Curve









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℃.

Product Certification

CE

This product is a supplementary product for the European market
and only available through Song Chuan Europe.
It is manufactured by Kudom Electronics Technology, China.