

固态继电器 KSJ系列单相直流输出

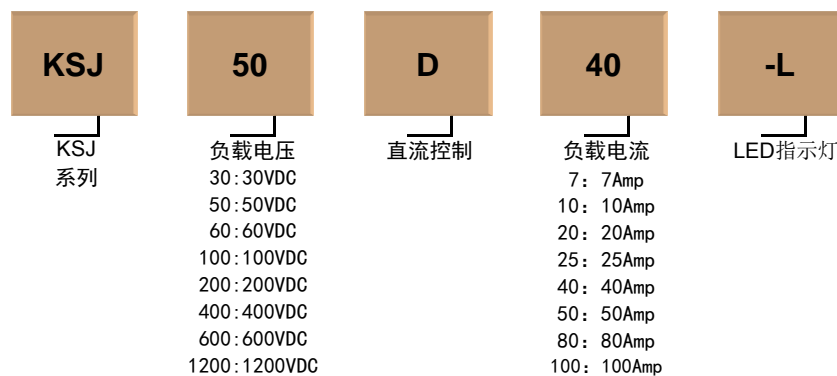


- MOSFET或IGBT输出
- 低阻抗
- 控制电压:4-32VDC
- 介质耐压 $\geq 2500\text{VACrms}$
- 光电隔离
- 面板安装
- LED指示
- 产品符合RoHS指令

产品描述

KSJ30VDC、50VDC、60VDC系列属于常开型直流输出固态继电器，面板安装，控制电压4-32VDC，输出电流50A、100A@30VDC；40A、80A@50VDC；7A、50A@60VDC；20A、40A、80A、100A@100VDC；10A、20A、40A@200VDC；25A@400VDC；25A,50A @600VDC；25A,50A @1200VDC；输入和输出之间光电隔离，介质耐压为 $\geq 2500\text{VAC}$ 。

产品选型



描述	型号规格			
7A	KSJ60D7-L			
10A	KSJ200D10-L			
20A	KSJ100D20-L	KSJ200D20-L		
25A	KSJ400D25-L	KSJ600D25-L	KSJ1200D25-L	
40A	KSJ50D40-L	KSJ100D40-L	KSJ200D40-L	
50A	KSJ30D50-L	KSJ60D50-L	KSJ600D50-L	KSJ1200D50-L
80A	KSJ50D80-L	KSJ100D80-L		
100A	KSJ30D100-L	KSJ100D100-L		

技术参数

输入参数

控制电压范围	4-32VDC
最小导通电压	4VDC
最小关断电压	1VDC
最大控制电流	28mA @32VDC
最大反向电压	32VDC

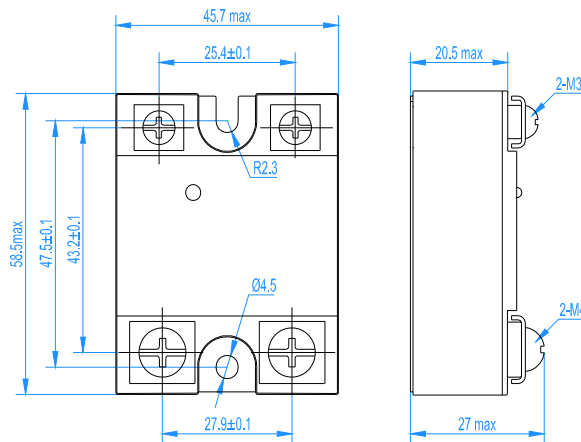
输出参数				
负载电压范围	30VDC	0-30VDC		
	50VDC	0-50VDC		
	60VDC	0-60VDC		
	100VDC	0-100VDC		
	200VDC	0-200VDC		
	400VDC	0-400VDC		
	600VDC	0-600VDC		
	1200VDC	0-1200VDC		
负载电流范围	7A	0.001 - 7A		
	10A	0.001 - 10A		
	20A	0.001 - 20A		
	25A	0.001 - 25A		
	40A	0.001 - 40A		
	50A	0.001 - 50A		
	80A	0.001 - 80A		
	100A	0.001 - 100A		
最大冲击电流 (@10ms)	7A	30A		
	10A	30A		
	30VDC/ 50VDC/ 60VDC/ 100VDC/ 200VDC	20A	60A	
		25A	75A	
		40A	120A	
		50A	150A	
		80A	200A	
		100A	250A	
		400VDC/ 600VDC/ 1200VDC	25A	150A
			50A	300A
最大导通时间	30VDC/ 50VDC/ 60VDC/100VDC/ 200VDC	100μs		
	400VDC/ 600VDC/ 1200VDC	1ms		
最大关断时间	30VDC/ 50VDC/ 60VDC/100VDC/ 200VDC	100μs		
	400VDC/ 600VDC/ 1200VDC	1ms		
断开状态时最大漏电流 (在额定电压下)	30VDC/ 50VDC/ 60VDC/100VDC/ 200VDC	0.1mA		
	400VDC/ 600VDC/ 1200VDC	0.5mA		

最大导通电阻	30VDC	50A	4.2mΩ max.(@TA=25°C)
		100A	2.1mΩ max.(@TA=25°C)
	50VDC	40A	12mΩ max.(@TA=25°C)
		80A	6mΩ max.(@TA=25°C)
	60VDC	7A	14mΩ max.(@TA=25°C)
		50A	7mΩ max.(@TA=25°C)
	100VDC	20A/40A	13mΩ max.(@TA=25°C)
		80A/100A	6.5mΩ max.(@TA=25°C)
200VDC	10A	60mΩ max.(@TA=25°C)	
	20A/40A	30mΩ max.(@TA=25°C)	
导通状态时最大压降 (在额定电流下)	400VDC/ 600VDC/1200VDC		1.75V

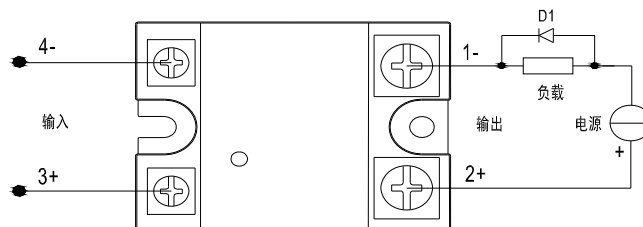
其它参数		
介质耐压	输入/输出	≥2500Vrms
	输入、输出/底板	≥2500Vrms
工作温度范围		-30°C ~ +80°C
储存温度范围		-30°C ~ +100°C
重量 (典型值)		95g

应用场合
直流加热, 直流电源, 直流阀, 直流马达, 医疗设备等。

安装尺寸图

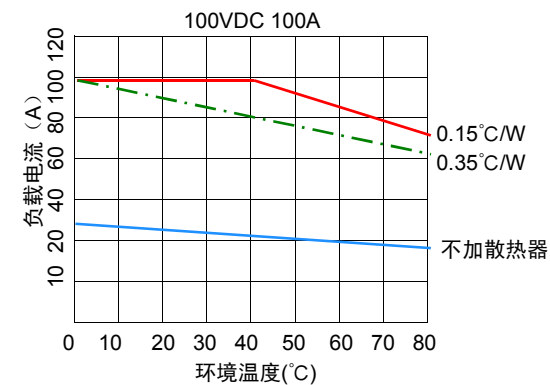
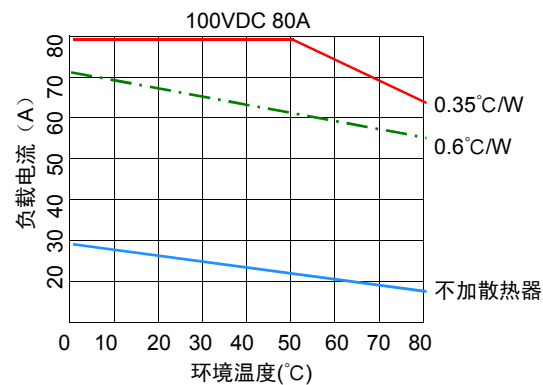
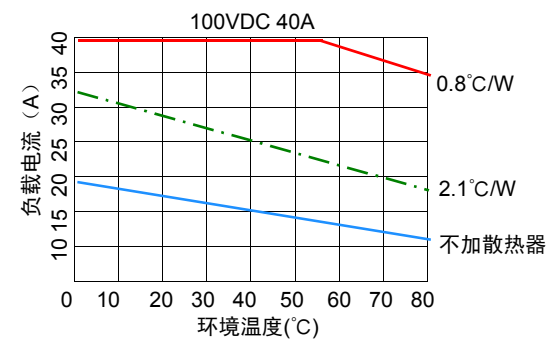
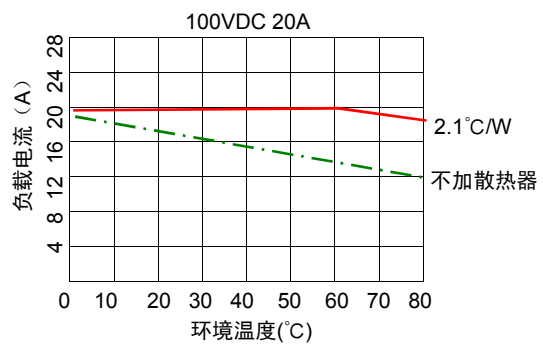
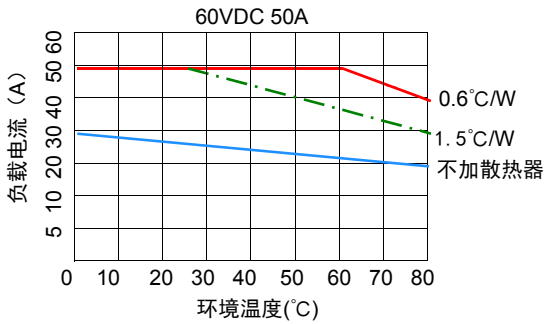
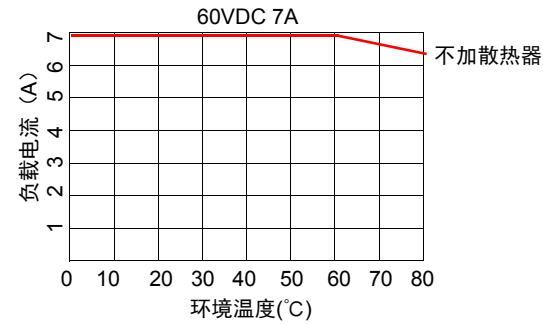
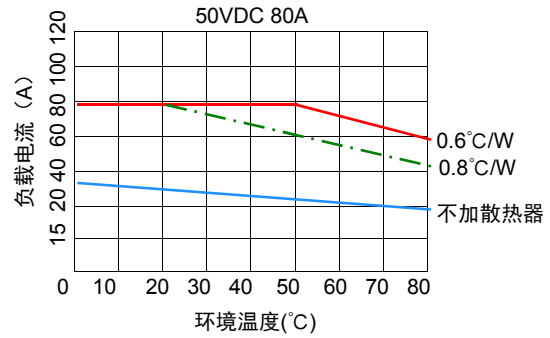
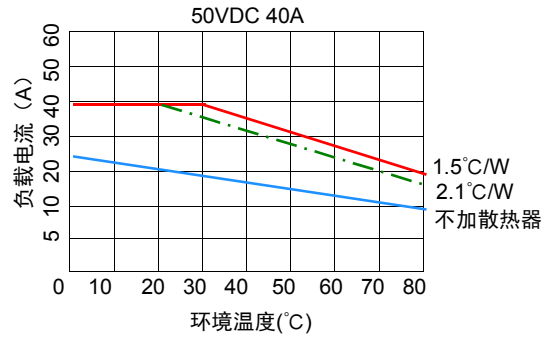
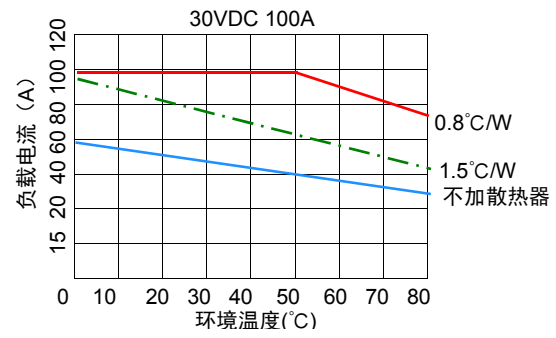
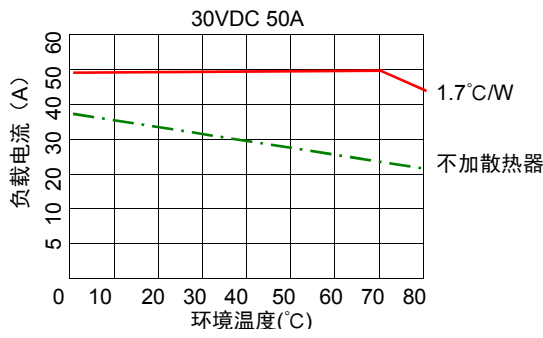


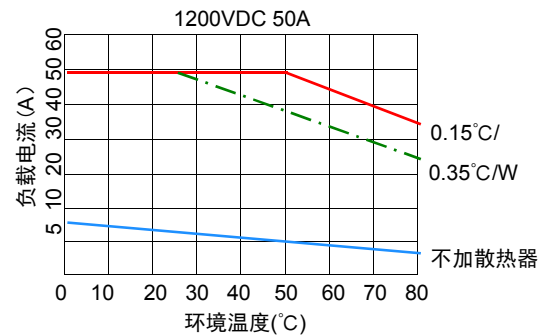
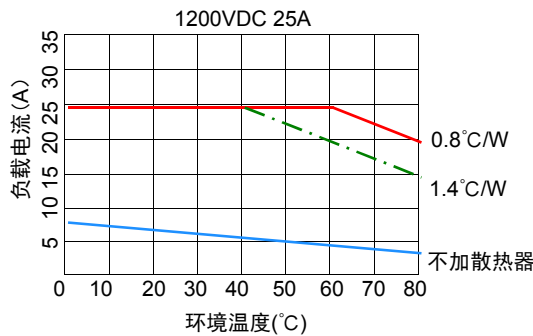
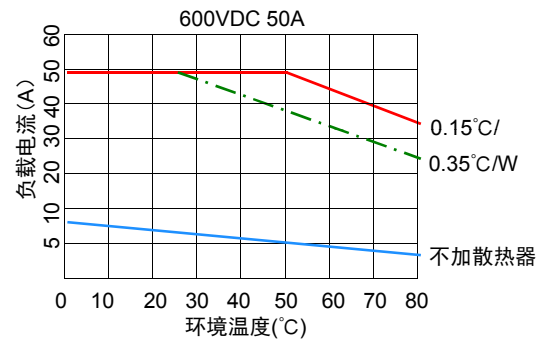
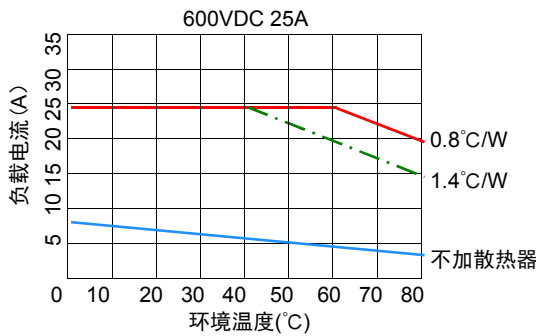
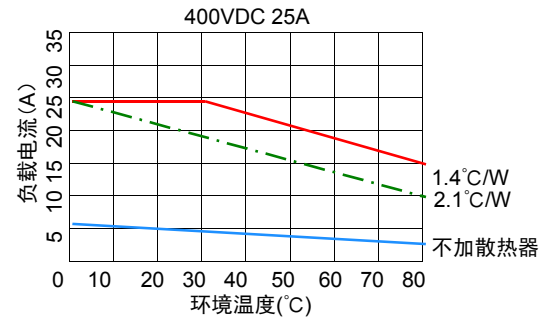
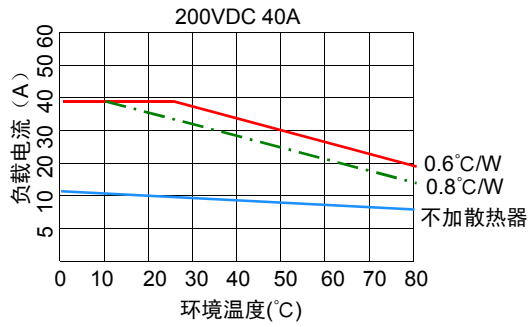
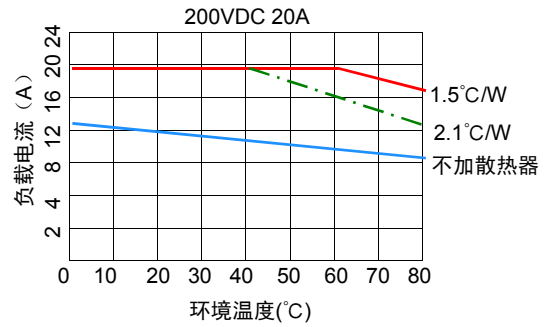
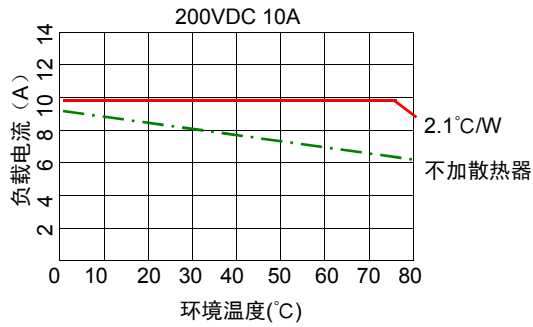
接线图



*当使用感性负载时必须加抑制电路, 如图负载
两端反并联续流二极管D1
D1: 快速恢复二极管

温度曲线





注意事项

1. 用于感性负载时必须加抑制电路。
2. 控制端极性要保证正确，否则可能损坏产品。
3. 环境温度高于40°C时使用应参照温度曲线。

产品认证



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