

- ◆ Control Voltage at 4-32VDC or 90-280VAC
- ◆ Load Current: 10A, 15A, 25A
- ◆ Dielectric Strength: 4000Vrms
- ◆ Internal RC/MOV Protection Circuit
- ◆ RoHS Compliant



Ordering Information

KSQE	480	D	10	(XXX)
KSQE Series	Load Voltage 380: 380VAC 480: 480VAC	Control Mode D: DC Control A: AC Control	Load Current 10: 10Amp 15: 15Amp 25: 25Amp	Customized Code

General Specifications

Input Specifications (Ta=25°C)			
Control Voltage Range	AC Control	90-280VAC	
	DC Control	4-32VDC	
Must Turn-On Voltage	AC Control	90VAC	
	DC Control	4VDC	
Must Turn-Off Voltage	AC Control	15VAC	
	DC Control	1VDC	
Maximum Reverse Voltage	DC Control	32VDC	
Maximum Input Current	AC Control	30mA@280VAC	
	DC Control	35mA@32VDC	
Output Specifications (Ta=25°C)			
Load Voltage Range	380VAC	24-440VAC	
	480VAC	24-530VAC	
Maximum Turn-On Time	AC Control	40ms	
	DC Control	Zero Crossing	10ms
		Random-on	1ms
Maximum Turn-Off Time	AC Control	20ms	
	DC Control	10ms	
Maximum 1 Cycle Surge Current (50Hz)	10A	120A	
	15A	160A	
	25A	250A	
Minimum Load Current	100mA		
Transient Overvoltage	380VAC	800Vpk	
	480VAC	1200Vpk	
Maximum Off-State Leakage Current@Rated Load Voltage	10mA		
Maximum On-State Voltage Drop@Rated Current	1.6Vrms		
Minimum Off-State dv/dt@Maximum Rated Voltage	200V/μs		

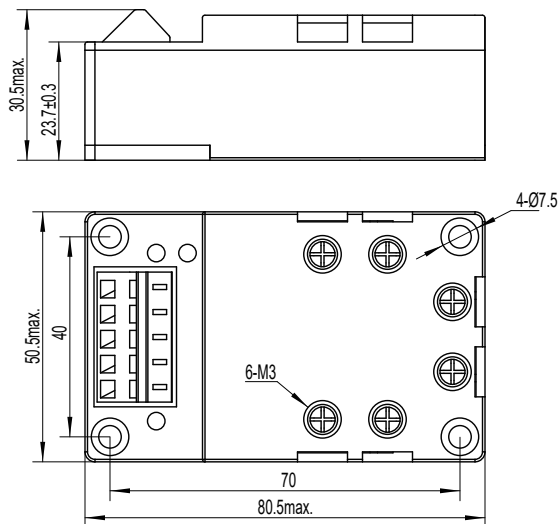
General Specifications

General Specifications (Ta=25°C)		
Dielectric Strength (50/60Hz)	Input/Output	4000Vrms
Minimum Insulation Resistance (@500VDC)	Input, output/Base	2500Vrms
Ambient Temperature Range		1000MΩ
Storage Temperature Range		-30°C ~ +80°C
Weight (Typical)		-30°C ~ +100°C
		180g

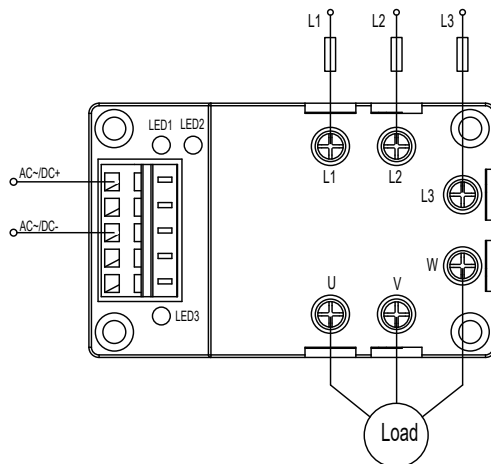
Applications

Suitable for three phase motor control, temperature control, large oven, and etc.

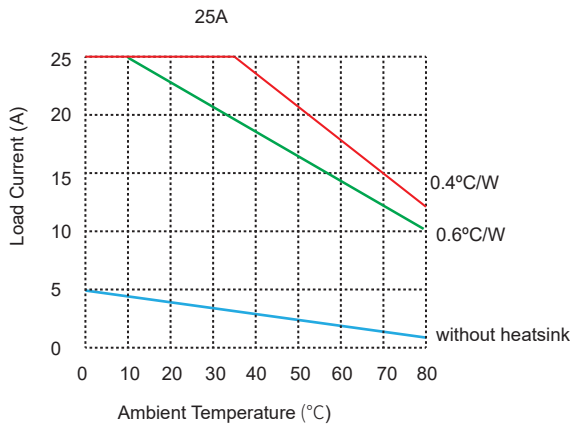
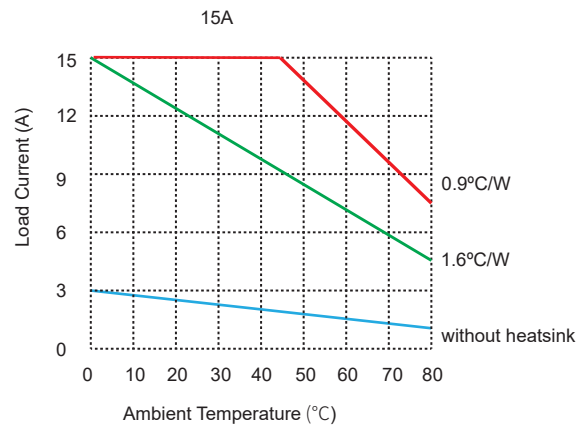
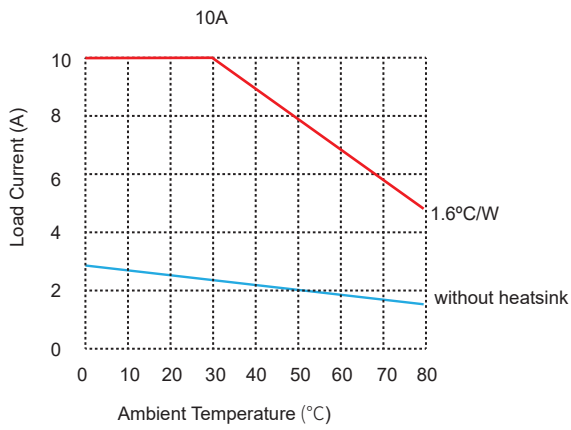
Outline Dimensions



Wiring Diagram



Thermal Derating Curve



General Notes

1. Relay must be mounted to proper sized heat sink based on thermal curves. Thermal grease or a thermal pad must be used between relay and heat sink and be torqued down to 18-20/2.0-2.2 in-lb/N·m.
2. When connection wiring to SSR please ensure screws are torqued down properly (input 13-15/1.5-1.7in/lb/N·m, output 18-20/2.0-2.2 in-lb/N·m).
3. When Ambient temperature is above 25°C see thermal derating curve.

Agency Approvals (Certification)

