- 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℃)		
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℃)			
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		

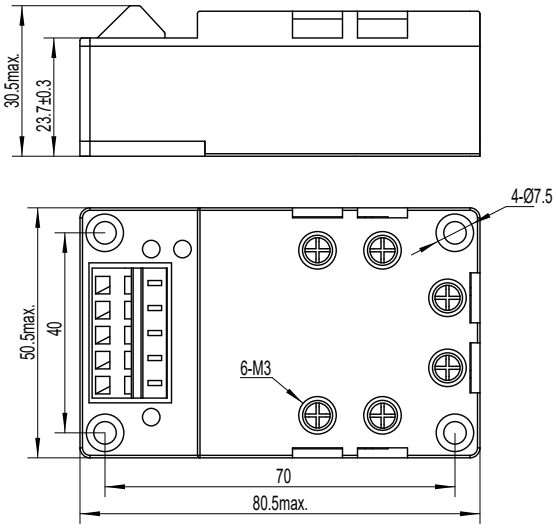
General Specifications

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

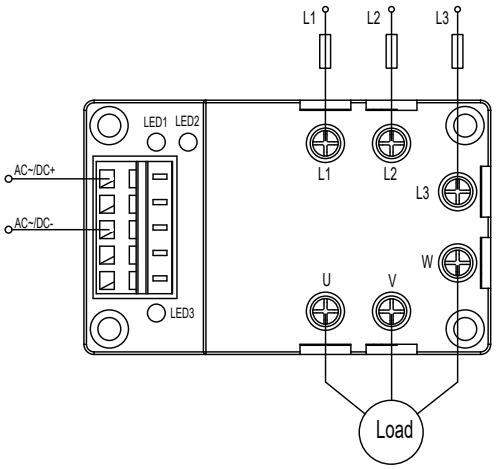
Applications

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

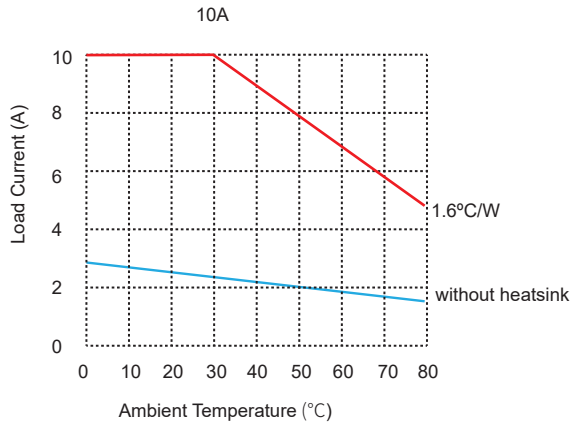
Outline Dimensions

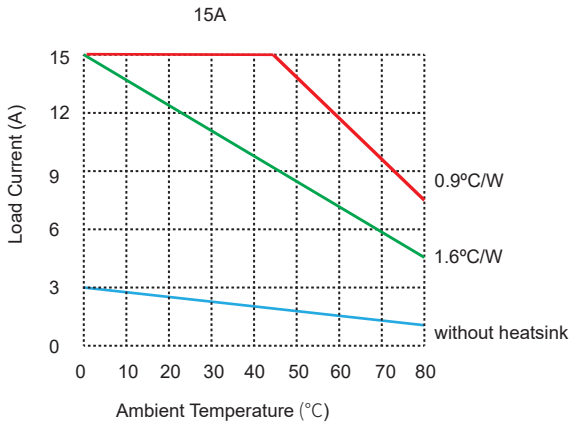


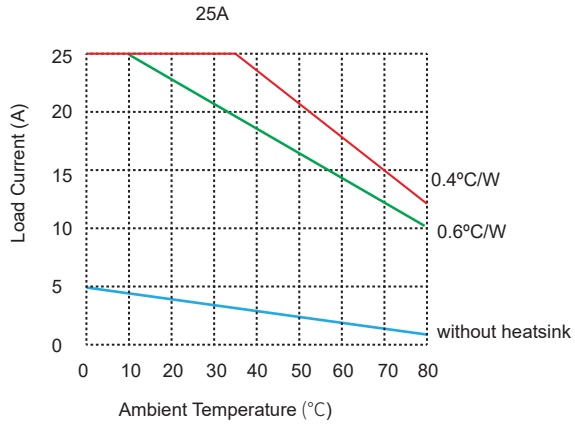
Wiring Diagram



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℃ see thermal derating curve.

Agency Approvals (Certification)

Trademark Change Notification

Due to the company's strategic development needs, Xiamen Kudom Electronics Technology Co., Ltd will be acquired by i-Autoc (Xiamen) Investment Co., Ltd from 1st of July 2019. After the acquisition, all the products by Xiamen Kudom Electronics Technology Co., will no longer use Kudom trademark, but use i-Autoc trademark. The details of the change are as follows.

The original trademark KUDOM will be changed to i-Autoc. The original trademark KUDOM will still be used until 30th June 2019.

This is a change to the trademark only, the Company Name, Manufacturing Location, Management Team, Product Part Numbers and Safety Approval Licence Numbers (cUL, TUV, CCC, S-mark Etc) are to remain the same.