Solid State Relay

KSQE Series Three Phase AC Output

- Load current:10-25A @24-530VAC
- Control Voltage :4-32VDC or 90-280VAC
- Dielectric Strength ⩾4000Vrms
- Internal RC/MOV Protection Circuit
- RoHS Compliant

Product Description

KSQE series three phase AC output solid state relay, control voltage is 90-280VAC or 4-32VDC, load current is 10A,15A and 25A. Load voltage range 24-530VAC. TRIAC output.

Product Selection

KSQE	480	D	60
KSQE Series	Load Voltage 380:380VAC 480:480VAC	D:DC Control A:AC Control	Load Current 10:10Amp 15:15Amp 25:25Amp

Technical Specification

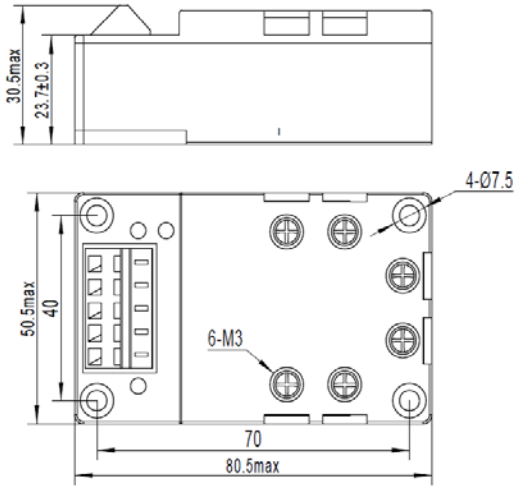
Input Circuit		
Control Voltage Range	AC Control	90-280VAC
	DC Control	4-32VDC
Minimum Turn-on Voltage	AC Control	90VAC
	DC Control	4VDC
Minimum Turn-off Voltage	AC Control	15VAC
	DC Control	1VDC
Maximum Reverse Voltage	DC Control	32VDC
Maximum Input Current	AC Control	30 mA@280VAC
	DC Control	35 mA@32VDC
Output Circuit		
Load Voltage Range	380V	24 -440VAC
	480V	24 -530VAC
Maximum Turn-on Time	AC Control	40ms
	DC Control	10ms
Maximum Turn-off Time	AC Control	20ms
	DC Control	10ms

Maximum Surge Current [@10ms]	10A	10A
	15A	15A
	25A	25A
Transient Overvoltage	380V	800Vpk
	480V	1200Vpk
Maximum Off-State Leakage Current [@ Rated Voltage]		5mA
Maximum On-State Voltage Drop [@ Rated Current]		1.6Vrms
Minimum Off-State dv/dt [@ Maximum Rated Voltage]		⩾200 V/μs
General Information		
Dielectric Strength[50/60Hz]	Input/Output	≥4000Vrms
	Input/Output/Base	≥2500Vrms
Ambient Operating Temperature Range		-30˚C ～ +80˚C
Ambient Storage Temperature Range		-30˚C ～ +100˚C
Weight [Typical]		180g

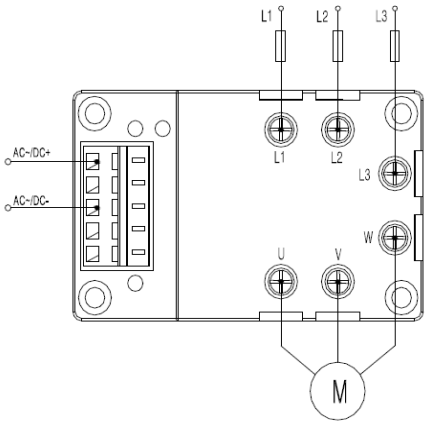
Application

Apply to 1.5 KW below Three-phase Motor Control.

Installation



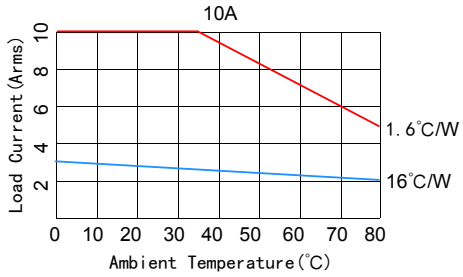
Wiring Diagram

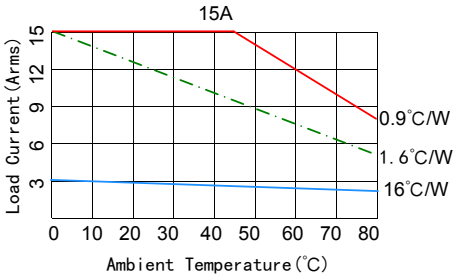


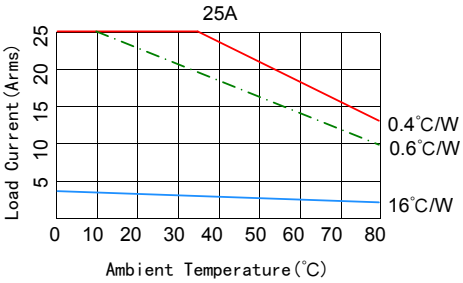
AC~/DC+: AC Control Input/DC Control Anode Input

AC~/DC-: AC Control Input/DC Control Cathod Input

Thermal Curve







Important Notice

1. If the connection of the load will produce high surge current, please pay attention to the solid state relay and see if it is able to withstand the surge current value.
2.When the ambient temperature is more than 40℃,load current performance will decline.

Product Certification