

Product Description

- ◆ Zero-crossing Switching
- ◆ Ratings from 60A @ 48~280VAC
- ◆ AC Input
- ◆ LED Indication
- ◆ SCR Output
- ◆ Normally Closed Output



Ordering Information

KSI	240	A	60	-L	B	+KTP-0A
KSI Series	Load Voltage 240: 240VAC	Control Voltage A: AC Control	Load Current 60: 60Amp	LED Indicator	B: Normally Closed Blank: Normally open	Thermal Pad (Optional)

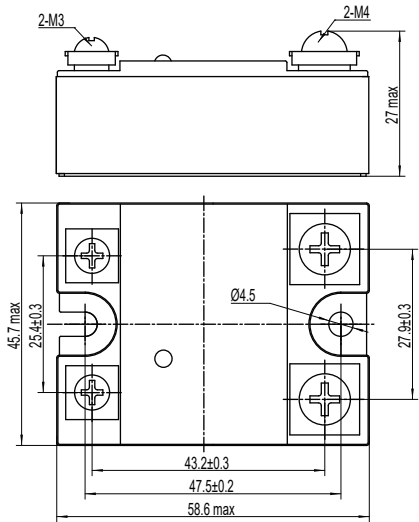
Technical parameters

Input Specifications (Ta=25°C)	
Control Voltage Range	90~280VAC
Must Turn-on Voltage	10VAC
Must Turn-off Voltage	90VAC
Maximum Input Current	25mA
Output Specifications (Ta=25°C)	
Load Voltage Range(47 ~ 63Hz)	48~280VAC
Maximum Turn-on Time	40ms
Maximum Turn-off Time	40ms
Maximum Surge Current (@10ms)	700A
Maximum I ² t for Fusing (@10ms)	2450A ² s
Transient Overvoltage	600Vpk
Maximum Off-State Leakage Current@Rated Load Voltage	5mA(@220VAC/50Hz)
Minimum Off-State dv/dt (@Maximum Rated Voltage)	500V/μs
Maximum On-State Voltage Drop@Rated Current	1.7V

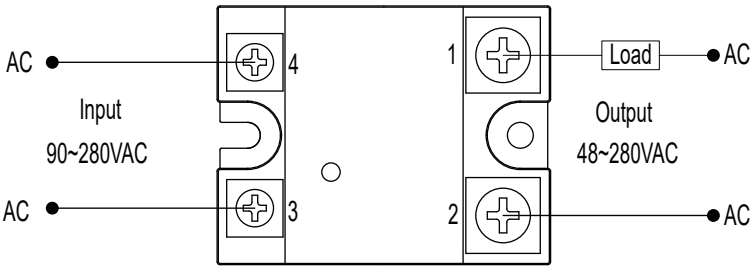
Technical parameters

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

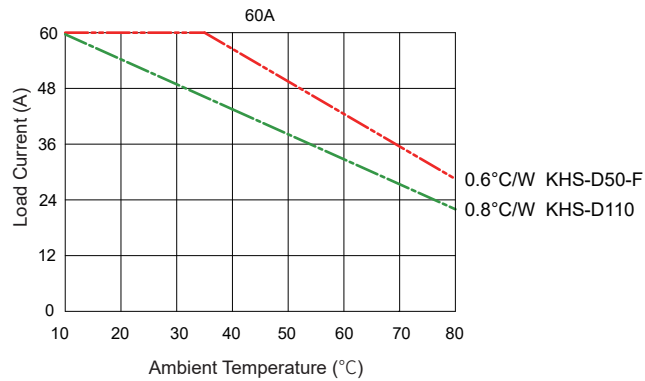
Installation



Connection



Technical parameters



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 18-20/2.0-2.2in-lb/Nm.
2. When connection wiring to SSR, please ensure screws are torqued down properly (0.58~0.98) N·m, output (0.98~1.37) N·m.
3. SSR's carrying load capacity is related to the operation ambient temperature and heat dissipation condition, please refer to the Thermal Derating Curve for derating.

! Warnings

1. The product's side panels may be hot, allow the product to cool before touching.
2. Disconnect all power before installing or working with this equipment.
3. Verify all connections and replace all covers before turning on power.