

Product Description

- ◆ SCR Output
- ◆ Control Voltage: 15-32VDC, 4-32VDC
- ◆ Load Voltage: 240VAC, 380VAC, 480VAC
- ◆ Load Current: 5A
- ◆ Dielectric Strength: 4000Vrms
- ◆ RoHS Compliant



Ordering Information

KSD	380	D	5	R	-H	(284)
KSD Series	Load Voltage 240: 240VAC 380: 380VAC 480: 480VAC	DC Control	Load Current 5: 5Amp	Switching Mode Blank: Zero Crossing R: Random-on	Control Voltage H: 15-32VDC W: 4-32VDC	Customized Code

Available Part Numbers

Model		
H:15-32VDC	KSD240D5-H (037)	KSD240D5R-H (037)
	KSD380D5-H (037)	KSD380D5R-H (037)
	KSD480D5-H (037)	KSD480D5R-H (037)
W:4-32VDC	KSD240D5-W (037)	KSD240D5R-W (037)
	KSD380D5-W (037)	KSD380D5R-W (037)
	KSD480D5-W (037)	KSD480D5R-W (037)

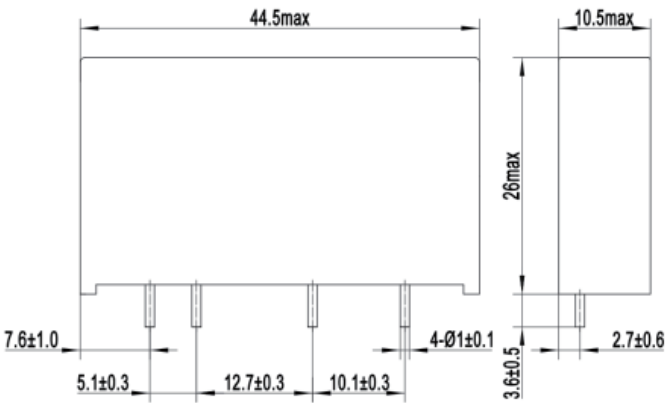
General Specifications

Input Specifications (Ta=25°C)		
Control Voltage Range	H	15-32VDC
	W	4-32VDC
Must Turn-on Voltage	H	15VDC
	W	4VDC
Must Turn-off Voltage	H	5VDC
	W	1VDC
Maximum Input Current	H/W	25mA (@32VDC)
Output Specifications (Ta=25°C)		
Load Voltage Range(47-63Hz)	240VAC	24-280VAC
	380VAC	24-440VAC
	480VAC	24-530VAC

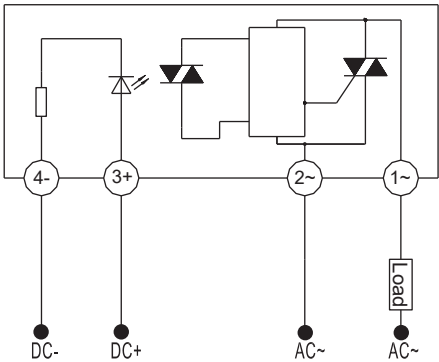
Output Specifications (Ta=25°C)		
Maximum Transient Overvoltage	240VAC	600Vpk
	380VAC	800Vpk
	480VAC	1200Vpk
Load Current Range	0.1 - 5A	
Maximum Surge Current (@10 ms)	250A	
Maximum Turn-on Time	Random-on	1ms
	Zero Crossing	1/2cycle+1ms
Maximum Turn-off Time	1/2cycle+1ms	
Maximum Off-State Leakage Current@Rated Load Voltage	5mA	
Maximum On-State Voltage Drop@Rated Current	1.5Vrms	
Minimum Off-State dv/dt@Maximum Rated Voltage	500V/μs	

General Specifications (Ta=25°C)	
Dielectric Strength (50/60Hz)	4000Vrms
Minimum Insulation Resistance (@500VDC)	1000MΩ
Ambient Temperature Range	-30°C ~ +80°C
Storage Temperature Range	-30°C ~ +100°C
Weight (Typical)	20g

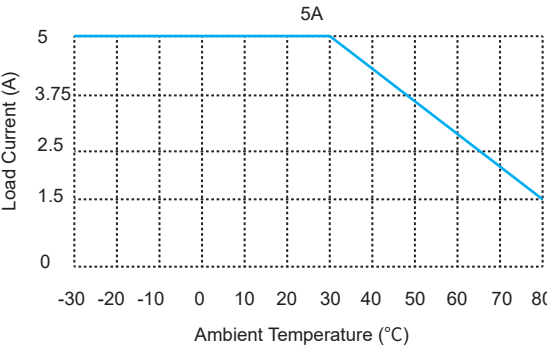
Outline Dimensions



Wiring Diagram



Thermal Derating Curve



General Notes

- 1. Soldering must be finished within 10 seconds at 260°C, or finished within 5 seconds at 350°C. Otherwise it may cause damage to the relay.
- 2. Terminal polarity must be observed. Otherwise it may cause damage to the relay.
- 3. When ambient temperature is above 25°C, the maximum load current decreases. See thermal derating curve.

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.

Certification Standards

Certification	Test Standard
CE	EN 60947-1:2007/A2:2014
	EN 60947-4-3:2014
UL	UL508
CCC	GB/T14048.5-2017
CQC	GB/T14048.5-2017

