

Product Description

- ◆ Load Current: 5A
- ◆ Control Voltage: 15~32VDC, 4~32VDC
- ◆ Load Voltage: 240VAC, 380VAC, 480VAC
- ◆ Dielectric Strength: 4000Vrms
- ◆ SCR Output
- ◆ RoHS Compliant
- ◆ Built-in RC Snubber Circuit
- ◆ PCB Mounted



Product Selection

KSD	380	D	5	R	-H	(037)
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 Mode H: 15~32VDC W: 4~32VDC	(037): Plastic Case

Available Part Numbers

Control Mode	Part Numbers	
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)

Technical 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)

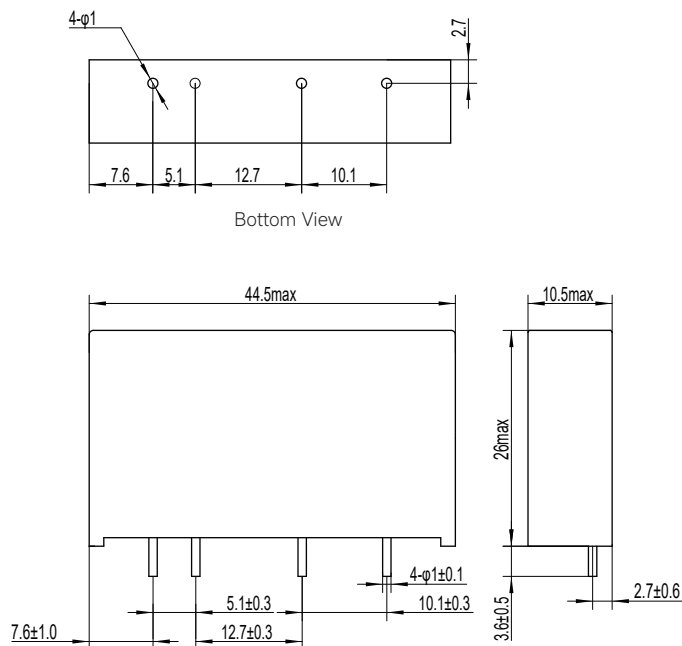
Output Specifications (Ta=25°C)		
Load Voltage Range	240VAC	24~280VAC
	380VAC	24~440VAC
	480VAC	24~530VAC
Maximum Transient Overvoltage	240VAC	600Vpk
	380VAC	800Vpk
	480VAC	1200Vpk
Load Current Range		0.1~5A
Maximum Surge Current (@10ms)		250A
Maximum Turn-on Time	Random-on	1ms
	Zero Crossing	1/2cycle+1ms
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)	Input/Output	4000Vrms
Minimum Insulation Resistance (@500VDC)		1000mΩ
Ambient Temperature Range		-30°C ~ +80°C
Storage Temperature Range		-30°C ~ +100°C
Weight (Typical)		20g

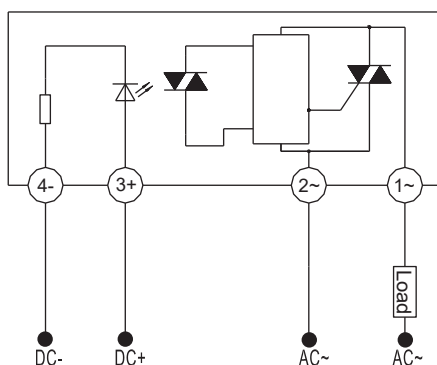
Applications

Suitable for various controls including lighting, motors and valves, such as vending machines, medical equipments, etc.

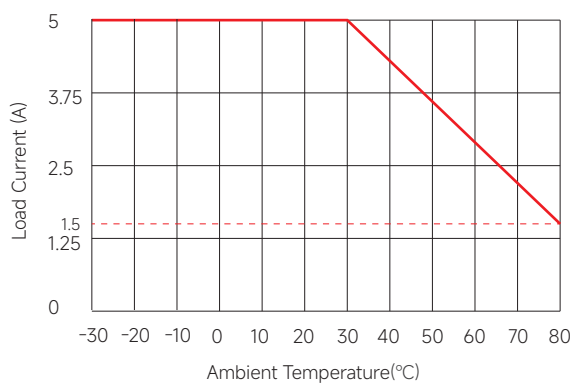
Outline Dimensions



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