- Opto-isolation
- TRIAC Output
- Control Current or Voltage: 10mA or 5VDC,12VDC,24VDC
- Load Current: 2A
- Dielectric Strength: 2500Vrms
- PCB Mounted
- RoHS Compliant

Ordering Information

KSC	240	D	2	R	-24	T	(XXX)
KSC Series	Load Voltage 240: 240VAC	DC Control	Load Current 1: 1Amp 2: 2Amp	Switching Mode Blank: Zero Crossing R: Random-on	Control Mode 5: 5VDC 12: 12VDC 24: 24VDC I: 10mA	Pin Layout Blank:Standard T: T Type Footprint	Customized Code

General Specifications

Input Specifications (Ta=25°C)		
Control Current Range	I	10-35mA
Control Voltage Range	5	4-6VDC
	12	9.6-14.4VDC
	24	19.2-28.8VDC
Maximum Input Current	I	10mA
Must Turn-On Voltage	5	4VDC
	12	9.6VDC
	24	19.2VDC
Must Turn-Off Current	I	1mA
Must Turn-Off Voltage	5/12/24	1VDC
Maximum Input Current	5	25mA (@6VDC)
	12	25mA (@14.4VDC)
	24	25mA (@28.8VDC)

Output Specifications (Ta=25°C)		
Load Voltage Range	24-280VAC	
Maximum Transient Overvoltage	600Vpk	
Maximum Off-State Leakage Current@Rated Load Voltage	1.5mA	
Minimum Off-State dv/dt@Maximum Rated	200V/μs	
Load Current Range	1A	0.1-1A
	2A	0.1-2A
Maximum 1 Cycle Surge Current (50Hz)	1A	25Apk
	2A	35Apk
Maximum I^2t for Fusing (10ms)	1A	3.1A^2s
	2A	6.1A^2s

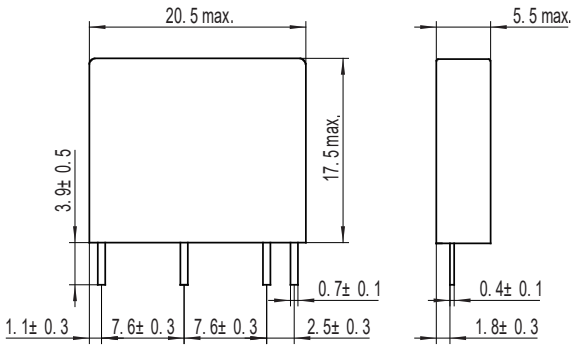
Maximum On-State Voltage Drop@Rated Current	1.5Vrms
Maximum Turn-On Time	Zero Crossing: 1/2cycle+1ms,Random-on: 1ms
Maximum Turn-Off Time	1/2cycle+1ms
Operational Frequency Range	47-63Hz
Minimum Power Factor (@ Maximum load)	0.5

General Specifications (Ta=25°C)	
Dielectric Strength (50/60Hz)	2500Vrms
Minimum Insulation Resistance (@500VDC)	1000MΩ
Ambient Temperature Range	-30°C ～ +80°C
Storage Temperature Range	-30°C ～ +100°C
Weight (Typical)	3g

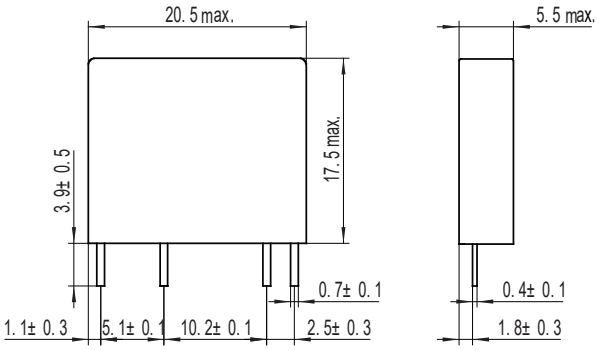
Applications

Suitable for pumps, valve control, motor control, and etc.

Outline Dimensions

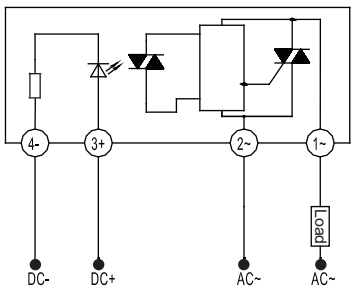


Standard Footprint

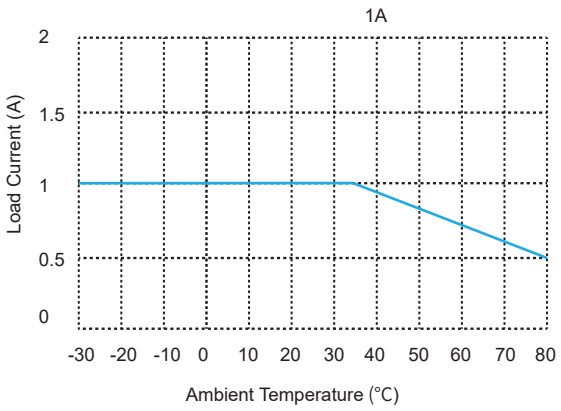


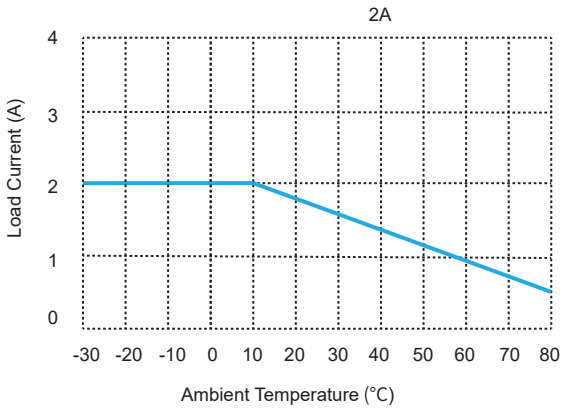
T Type Footprint

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.

Agency Approvals (Certification)