- TRIAC Output (3A) or SCR Output (5A)
- Control Voltage: 4-15VDC, 15-32VDC, 4-32VDC
- Load Voltage: 240VAC, 380VAC, 480VAC
- Load Current: 3A, 5A
- Dielectric Strength: 4000Vrms
- RoHS Compliant

Ordering Information

KSD	380	D	5	R	-L	(037)
KSD Series	Load Voltage 240: 240VAC 380: 380VAC 480: 480VAC	DC Control	Load Current 3: 3Amp 5: 5Amp	Switching Mode Blank: Zero Crossing R: Random-on	Control Voltage L: 4-15VDC H: 15-32VDC W: 4-32VDC	(037): Plastic Case

General Specifications

Input Specifications (Ta=25℃)		
Control Voltage Range	L	4-15VDC
	H	15-32VDC
	W	4-32VDC
Must Turn-On Voltage	L	4VDC
	H	15VDC
	W	4VDC
Must Turn-Off Voltage	H	5VDC
	L/W	1VDC
Maximum Input Current	H	25mA (@15VDC)
	L/W	25mA (@32VDC)

Output Specifications (Ta=25℃)		
Load Voltage Range	240VAC	24-280VAC
	380VAC	24-440VAC
	480VAC	24-530VAC
Maximum Transient Overvoltage	240VAC	600Vpk
	380VAC	800Vpk
	480VAC	1200Vpk
Load Current Range	3A	0.1 - 3A
	5A	0.1 - 5A
Maximum Surge Current (@10 ms)	3A	160A
	5A	250A

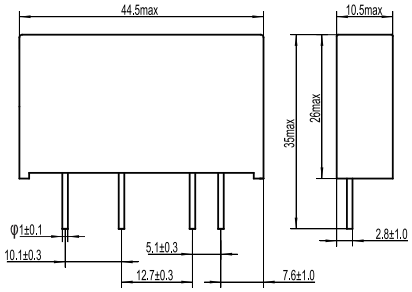
Output Specifications (Ta=25℃)		
Maximum Turn-On Time	Random-on	1ms
	Zero Crossing	1/2cycle+1ms
Maximum Turn-Off Time	1/2cycle+1ms	
Maximum Off-State Leakage Current@Rated Load Voltage	5mA	
Maximum On-State Voltage Drop@Rated Current	1.5Vrms	
Minimum Off-State dv/dt@Maximum Rated Voltage	3A	200V/μs
	5A	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

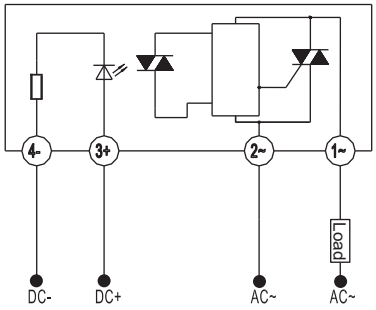
Applications

Suitable for lighting control, motor control, vending machine control, medical device control, valve control etc, and etc.

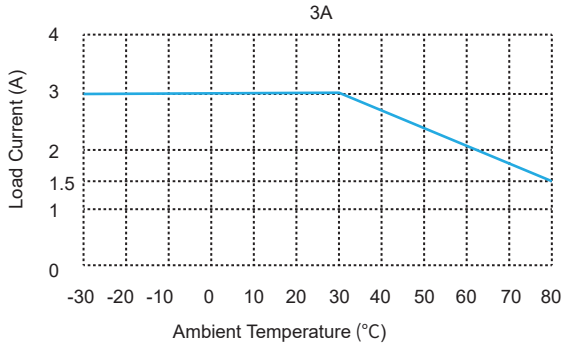
Outline Dimensions

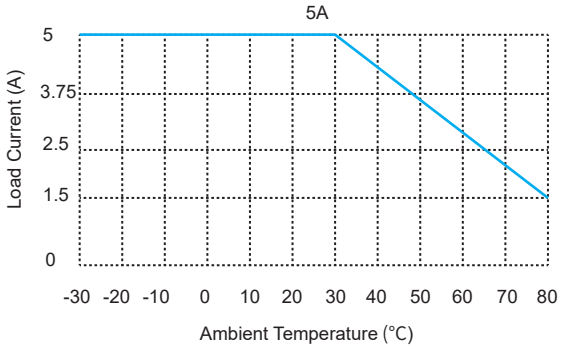


Wiring Diagram



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.

Agency Approvals

Trademark Change Notification

Due to the company's strategic development needs, Xiamen Kudom Electronics Technology Co., Ltd will be acquired by i-Autoc (Xiamen) Investment Co., Ltd from 1st of July 2019. After the acquisition, all the products by Xiamen Kudom Electronics Technology Co., will no longer use Kudom trademark, but use i-Autoc trademark. The details of the change are as follows.

The original trademark KUDOM will be changed to i-Autoc. The original trademark KUDOM will still be used until 30th June 2019.

This is a change to the trademark only, the Company Name, Manufacturing Location, Management Team, Product Part Numbers and Safety Approval Licence Numbers (cUL, TUV, CCC, S-mark Etc) are to remain the same.