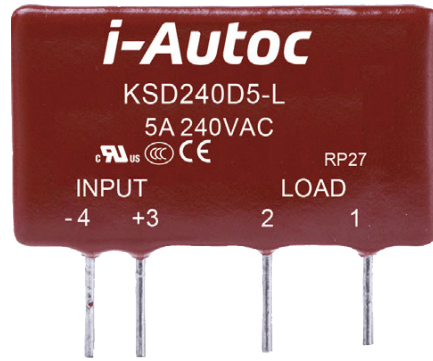


- ◆ TRIAC Output
- ◆ Control Voltage: 4-15VDC, 15-32VDC, 4-32VDC
- ◆ Load Voltage: 240VAC, 380VAC, 480VAC
- ◆ Load Current: 3A, 5A
- ◆ Dielectric Strength: 4000Vrms
- ◆ RoHS Compliant



### Ordering Information

<b>KSD</b>	<b>380</b>	<b>D</b>	<b>5</b>	<b>R</b>	<b>-L</b>	<b>(XXX)</b>
KSD Series (1)	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	Customized Code

Note (1): The part number selection is subject to the following list.

Control Voltage	3A		5A	
L:4-15VDC	KSD240D3-L	KSD240D3R-L	KSD240D5-L	KSD240D5R-L
	KSD380D3-L		KSD380D5-L	
	KSD480D3-L	KSD480D3R-L	KSD480D5-L	KSD480D5R-L
H:15-32VDC	KSD240D3-H	KSD240D3R-H	KSD240D5-H	KSD240D5R-H
	KSD380D3-H		KSD380D5-H	
	KSD480D3-H	KSD480D3R-H	KSD480D5-H	KSD480D5R-H
W:4-32VDC	KSD240D3-W	KSD240D3R-W	KSD240D5-W	KSD240D5R-W
	KSD380D3-W		KSD380D5-W	
	KSD480D3-W	KSD480D3R-W	KSD480D5-W	KSD480D5R-W

### General Specifications

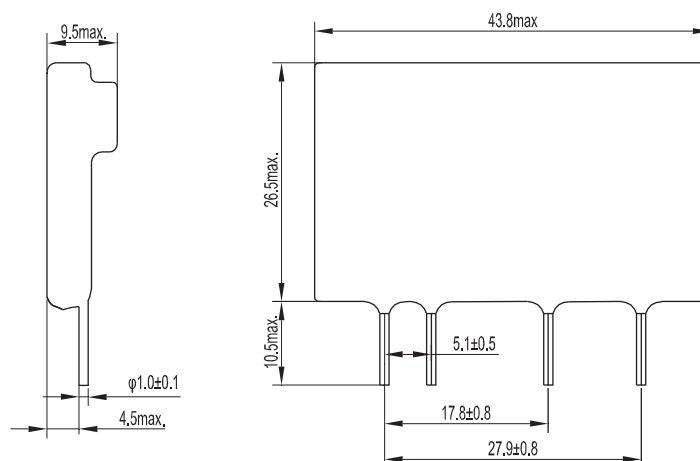
Input Specifications (Ta=25°C)			
Control Voltage Range	L		4-15VDC
	H		15-32VDC
	W		4-32VDC
Must Turn-On Voltage	L		4VDC
	H		15VDC
	W		4VDC
Must Turn-Off Voltage		1VDC	
Maximum Input Current		25mA	

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	3A	0.1 - 3A
	5A	0.1 - 5A
Maximum Surge Current (@10ms)	3A	120A
	5A	200A
Maximum Turn-On Time	Zero Crossing	1/2cycle+1ms
	Random-on	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		200V/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)		11.8g

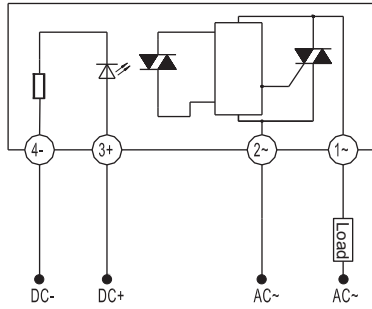
### Applications

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

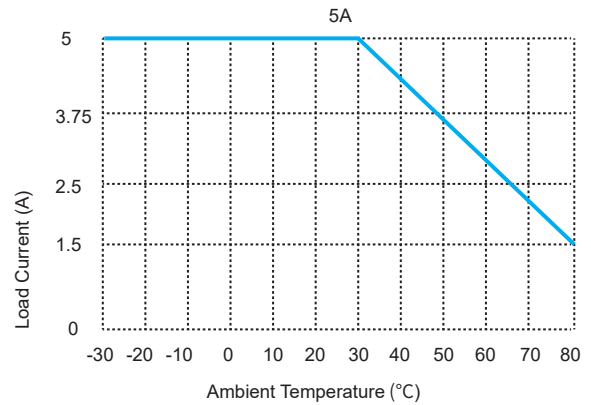
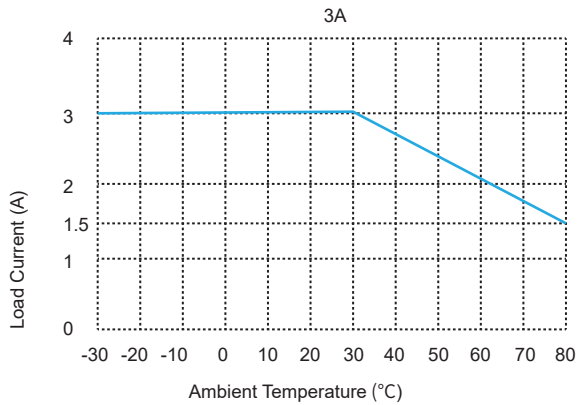
### Outline Dimensions



## 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 (Certification)



## 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 1<sup>st</sup> 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  will be changed to . The original trademark  will still be used until 30<sup>th</sup> 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.