Solid State Relay
KSYA 8 Channel AC Output Module



- **Load current: 0.1A to 5A**
- **Din rail mounted**
- **Control voltage: 4-32VDC**
- **Integrated fast fuse protection**
- **Indicate fault of fuse, SSR, load**
- **High EMC capability**
- **High inrush current**
- **RoHS compliant**

Product Description

KSYA is 8 channel din-rail mounted module with 5A solid state relays. Control voltage is 4-32VDC, isolation voltage is 2500VACrms, high EMC capability, high inrush current, special for automatic machinery, control system, elevator, entertainment equipment.

Product Selection

KSY	A	380	D	3	-M	8	-A	1
KSY Series	A:AC Output	Load Voltage 240:240VAC 380:380VAC 480:480VAC	DC Control	Load Current 3:3Amp 5:5Amp	M:MODULE	Channels 8:8 Channels	A:Common Anode K:Common Cathode	Fuse Current 1: 1Amp 2: 2Amp 3: 3.15Amp 4: 4Amp 5: 5Amp

Description	3A	5A
AC Output	KSYA240D3	KSYA240D5
	KSYA380D3	KSYA380D5
	KSYA480D3	KSYA480D5

Technical Specification

Input Circuit		
Control Voltage Range		4-32VDC
Minimum Turn-On Voltage		4VDC
Minimum Turn-Off Voltage		1VDC
Maximum Input Current		20mA
Output Circuit		
Load Voltage Range	240VAC	24-280VAC
	380VAC	48-440VAC
	480VAC	24-530VAC
Transient Overvoltage	240VAC	600Vpk
	380VAC	800Vpk
	480VAC	1200Vpk

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Load Curren Range	3 A	0.1 - 3A
	5 A	0.1 - 5A
Maximum Turn-On Time		1/2AC Cycle + 1ms
Maximum Turn-Off Time		1/2AC Cycle + 1ms
Maximum Surge Current(@10 ms)	3A	30A
	5A	60A
Maximum Off-State Leakage Current [@ Rated Voltage]		5mA
Maximum On-State Voltage Drop [@ Rated Current]		1.5Vrms
Minimum Off-State dv/dt[@ Maximum Rated Voltage]		200V/μs
General Information		
Fast-Fuse Parameters	Rated Current	1A、2A、3.15A、4A、5A
	Fuse Burn Out Time	20ms(@1000% Rated Current)
SSR Integrated Number		8
Dielectric Strength Input/Output/Base		≥2500Vrms
Ambient Operating Temperature Range		-30℃ ～ +80 ℃
Ambient Storage Temperature Range		-30℃ ～ +100 ℃
Weight (typical)		

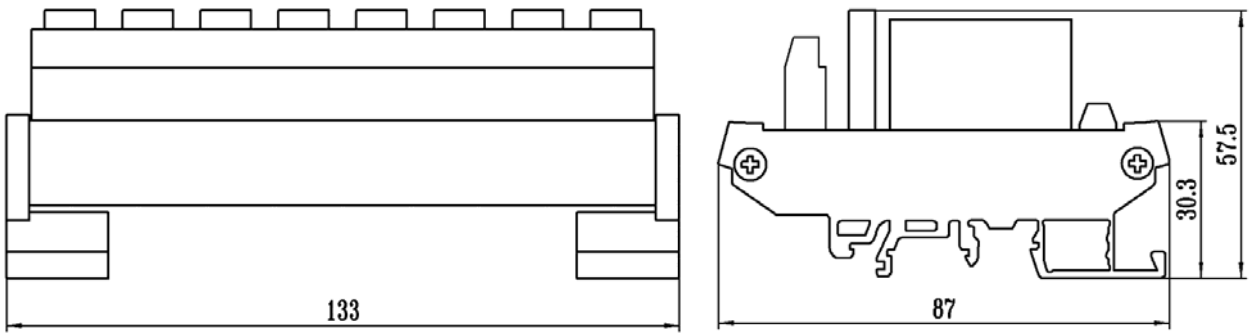
LED Information

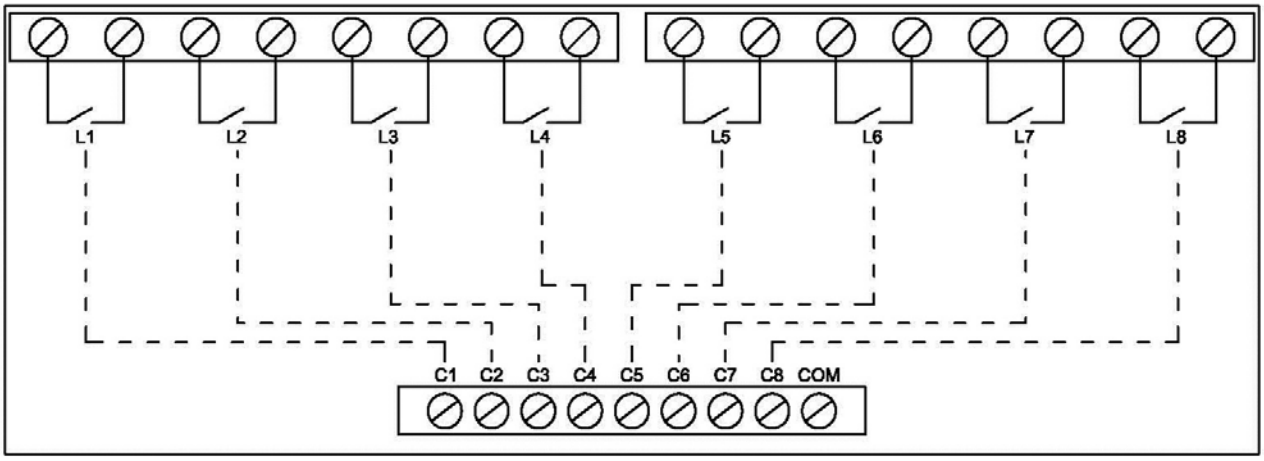
Status	Control signal	Control LED	Load LED	Description
1	√	√	×	Normal State.
2	×	×	√	
3	×	×	×	Fault: load broken, fuse broken, SSR damaged.
4	√	√	√	

Application

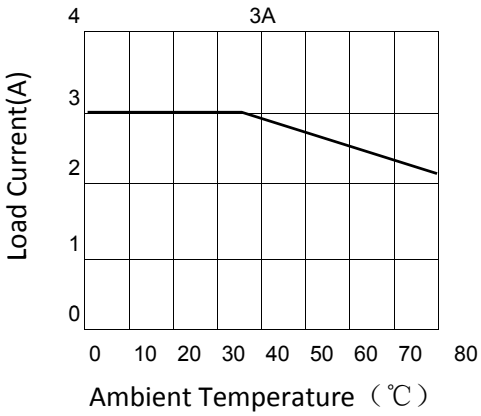
Automatic equipment, control system, entertainment equipment.

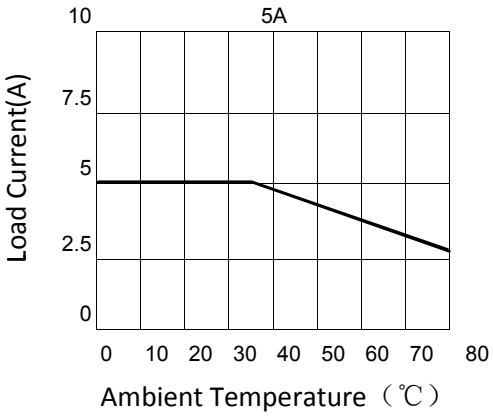
Installation





Thermal Curve





Important Notice

Consideration of heating disspation, switch capability will decrease when ambient temperature more than 40 degree.

Product Certification

CE

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