Solid State Relay
KSYB Series Single Channel AC Output



- **Load current: 0.1A to 5A**
- **Din rail mounted**
- **Control voltage: 4-32VDC**
- **LED indication**
- **High EMC capability**
- **High inrush current**
- **RoHS compliant**

Product Description

KSYB is single 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	B	380	D	5	-L	-S
KSY Series	B:AC Output	Load Voltage 240: 240VAC 380: 380VAC 480: 480VAC	DC Control	Load Current 3: 3Amp 5: 5Amp	L: 4-15VDC H: 15-32VDC	S: Pluggable None: Non Pluggable

Description	3A	5A
L: 3-15VDC	KSYB240D3-L	KSYB240D5-L
	KSYB380D3-L	KSYB380D5-L
	KSYB480D3-L	KSYB480D5-L
H: 15-32VDC	KSYB240D3-H	KSYB240D5-H
	KSYB380D3-H	KSYB380D5-H
	KSYB480D3-H	KSYB480D5-H

Technical Specification

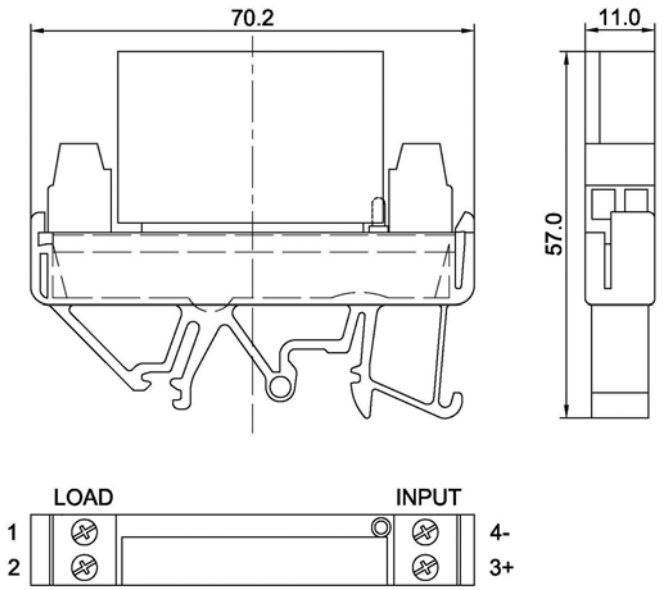
Input Circuit		
Control Voltage Range	-L	4-15VDC
	-H	15-32VDC
Minimum Turn-On Voltage	-L	4VDC
	-H	15VDC
Minimum Turn-Off Voltage		1VDC
Maximum Input Current	-L	25mA
	-H	40mA
Output Circuit		
	240VAC	24-280VAC

Load Voltage Range	380VAC	24-440VAC
	480VAC	48-530VAC
Transient Overvoltage	240VAC	600Vpk
	380VAC	800Vpk
	480VAC	1200Vpk
Load Current Range	3 A	0.1 - 3A
	5 A	0.1 - 5A
Maximum Turn-On Time	Random-on	1ms
	Zero Cross	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		
Dielectric Strength Input/Output/Base		⩾2500Vrms
Maximum Screw Torque		0.5Nm
Ambient Operating Temperature Range		-30℃ ～ +80 ℃
Ambient Storage Temperature Range		-30℃ ～ +100 ℃
Weight (typical)		55g

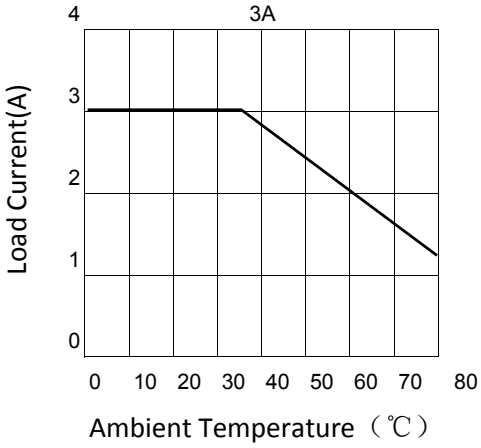
Application

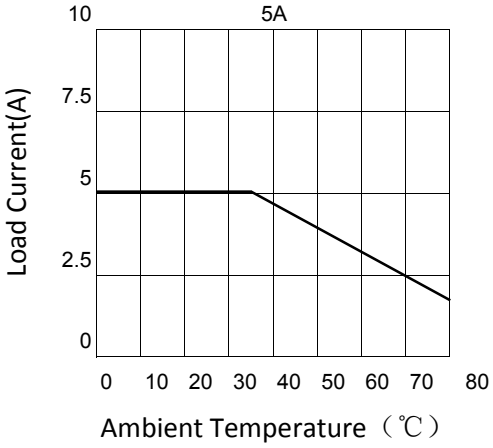
Suitable for automatic equipment, control system, entertainment equipment.

Installation



Thermal Curve





Important Notice

Consideration of heating disspation,load current will decrease without enough ventilation.

Product Certification

CE TÜV

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