

SA Series AC/DC Input, single-phase output SSR



- Feature
- Load current:10A-90A
 - Load voltage: 380VAC,480VAC,600VAC
 - DC/AC input available
 - Zero cross turn-on/Random turn-on available
 - LED indicator for power on
 - SCR output,high reliability
 - Built-in RC、MOV and TVS protection available
 - Dielectric strength 4000VACrms
 - Good heat dissipation,DBC base plate available
 - UL\CE\RoHS

Description

SA series solid state relays are widely used in various industries and suitable for resistive, inductive and capacitive load. Output voltage range: 48-440VAC, 48-530VAC, 48-660VAC. Output current: 10A, 25A, 40A, 50A, 75A and 90A.

Model Coding

SA	25	D	3	Z	M
SA Series	Load Current 10:10Amps 25:25Amps 40:40Amps 50:50Amps 75:75Amps 90:90Amps	Control Type D:DC Control 4-32VDC A:AC Control 90-280VAC	Load Voltage 3:48-440VAC 4:48-530VAC 6:48-660VAC	Zero cross function Z:Zero cross turn-on R:Random turn-on	Protection Non:without M:MOV protection T:TVS protection (Available)

Model No.	SA-10□3□□	SA-25□3□□	SA-40□3□□	SA-50□3□□	SA-75□3□□	SA-90□3□□
	SA-10□4□□	SA-25□4□□	SA-40□4□□	SA-50□4□□	SA-75□4□□	SA-90□4□□
	SA-10□6□□	SA-25□6□□	SA-40□6□□	SA-50□6□□	SA-75□6□□	SA-90□6□□

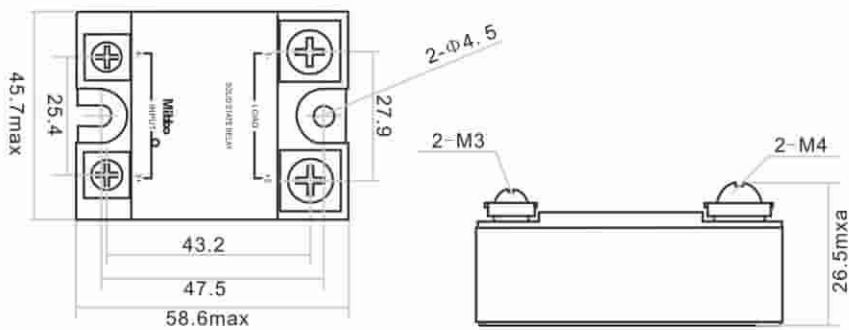
Specification

Input						
Control Voltage Range	4-32VDC					
Min.Turn-On Voltage	4VDC					
Min.Turn-Off Voltage	1VDC					
Max.Inout Current	25mA					
Output						
Rated Load Current	10A	25A	40A	50A	75A	90A
Output Voltage Range	SA-□A3 : 48-440VAC / SA-□A4 : 48-530VAC / SA-□A6 : 48-660VAC					
Max.Turn-On Time	Random	1ms				
	Zero cross	1/2AC Cycle+1ms				
Max.Turn-Off Time	1/2AC Cycle+1ms					
Max.Surge Current [@10ms]	150A	400A	440A	860A	1280A	1550A
Max.I t for fusing [@10ms]	350A²S	900A²S	970A²S	3698A²S	8192A²S	12012A²S
Max.Transient Voltage	SA-□A3 : 800Vpk \ SA-□A4 : 1200Vpk \ SA-□A6 : 1600Vpk					
Max. Off-state Leakage Current (at rated voltage)	5mA					
Max. On-state Voltage Drop.(at rated voltage)	1.6Vrms					
Min.Off-state Dv/dt	500 V/ μs					
General						
Dielectric Strength	Input to output□4KVrms Input to base□4KVrms output to base□2.5KVrms					
Operating Temperature	-30℃~+80℃					
Storage Temperature	-30℃~+100℃					
Weight	88g					
Accessory(Optional)						
Din-rail mounting accessory	DIN-01	DIN-01				
Heat Transfer Pad	SH-D1					
Protective Cover	SP-D11					
Heat sink(optional)	SH-01	SH-01	SH-03	SH-05	SH-07	SH-08
Remark①	The ambient temperature and temperature rise need to be considered when using heat sink. If the temperature of heat sink is over 70□□ please use a larger heat sink or forced cooling with a fan.					

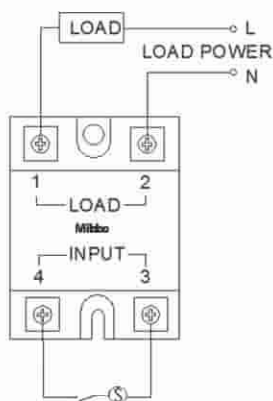
Applications

Suitable for Lenpure, Plastic Machinery, Incubator, Oil Filling Machine, Air Conditioning, Elevator, Lighting, Fountain Controller etc.

Mounting Dimension



Wiring Diagram



Characteristic Curves

