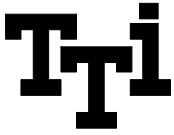


# Solid State Relay



## SDA

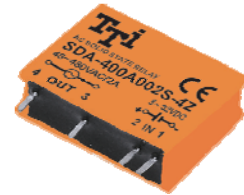
DC Control AC

### MAIN FEATURES

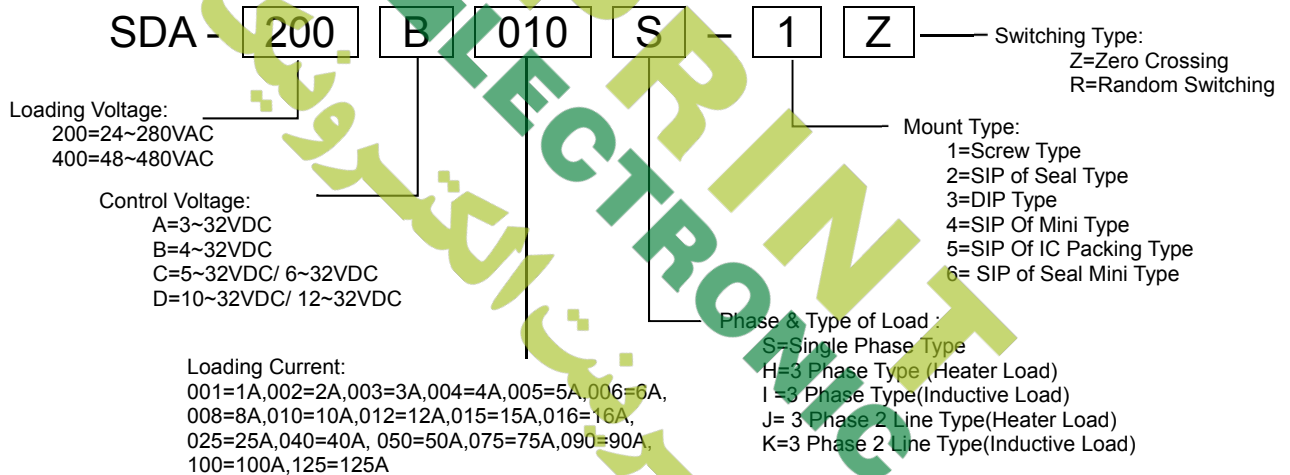
- DC Voltage Drive AC loading SSR
- High Stable Reliability
- Non Switching Sparks
- Non Noise
- Non Mechanical Contact
- Low control Power Consumption
- High Speed Reaction

### APPLICATIONS

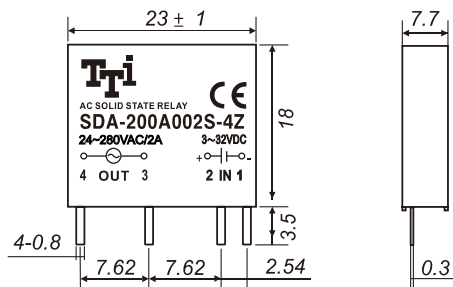
- Industrial Control Systems
- Lighting Systems
- Vending Machines
- Production Systems
- Temperature Control Systems
- Electronics Home Appliances
- Medical Equipment
- Conveying Systems



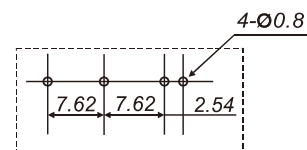
### ORDERING INFORMATION



### OUTLINE DIMENSION (unit:mm)



### SIP of Mini Series

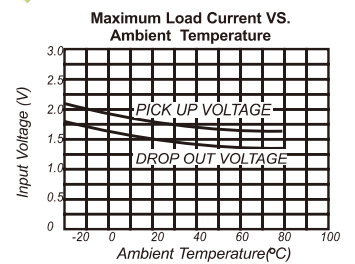
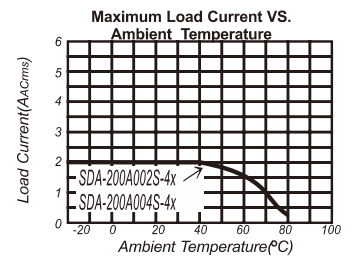
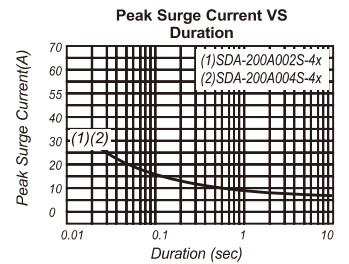
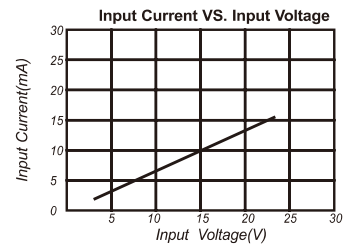


# Solid State Relay

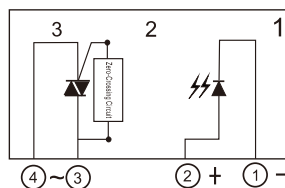
## SPECIFICATIONS

<b>MODEL NO.</b>		SDA-200A002S-4R SDA-200A002S-4Z	SDA-400A002S-4R SDA-400A002S-4Z
<b>MOUNT TYPE</b>		SIP of Mini Type	
<b>PHASE</b>		Single Phase	
<b>TYPE OF LOAD</b>		Z= Heater load R= Inductive load	
<b>INPUT</b>	<b>Control Voltage Range</b>	3~32VDC	
	<b>Must Turn Off Voltage</b>	MAX. 10VDC	
	<b>Input Impedance</b>	1.5Ω	
<b>OUTPUT</b>	<b>Max. Load Current</b>	2A	
	<b>Load Voltage Range</b>	24~280VAC	24~480VAC
	<b>Min. Blocking Voltage</b>	600VAC peak	1200VAC peak
	<b>Max. Off-State Leakage</b>	Less 3mA	Less 5mA
	<b>Max.1 cycle Peak Surge</b>	20A	
	<b>Max. Off State dv/dt</b>	200V/μsec	1000V/μsec
<b>GENERAL RATING</b>	<b>Isolate Impedance</b>	1GΩ	
	<b>Dielectric Strength</b>	2500VAC	
	<b>Input-Output</b>	—	
	<b>Input , Output-Case</b>	—	
	<b>Turn On Time</b>	Less 2 ms	
	<b>Turn Off Time</b>	Less 0.5AC Cycle	
	<b>Frequency Range</b>	47~70Hz	
	<b>Operating Temperature</b>	-20~+80°C	
<b>Switching Type</b>	Zero Crossing		
	Random Switching		
<b>Weight (g)</b>		6g	
<b>Compliance</b>		CE , RoHS	

## CHARACTERISTIC CURVES



## EQUIVALENT CIRCUIT



1. Input Circuit
2. Zero-Crossing Circuit
3. Output Circuit