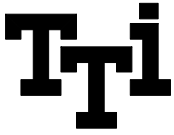


# Solid State Relay



## SDA

DC Control AC

### MAIN FEATURES

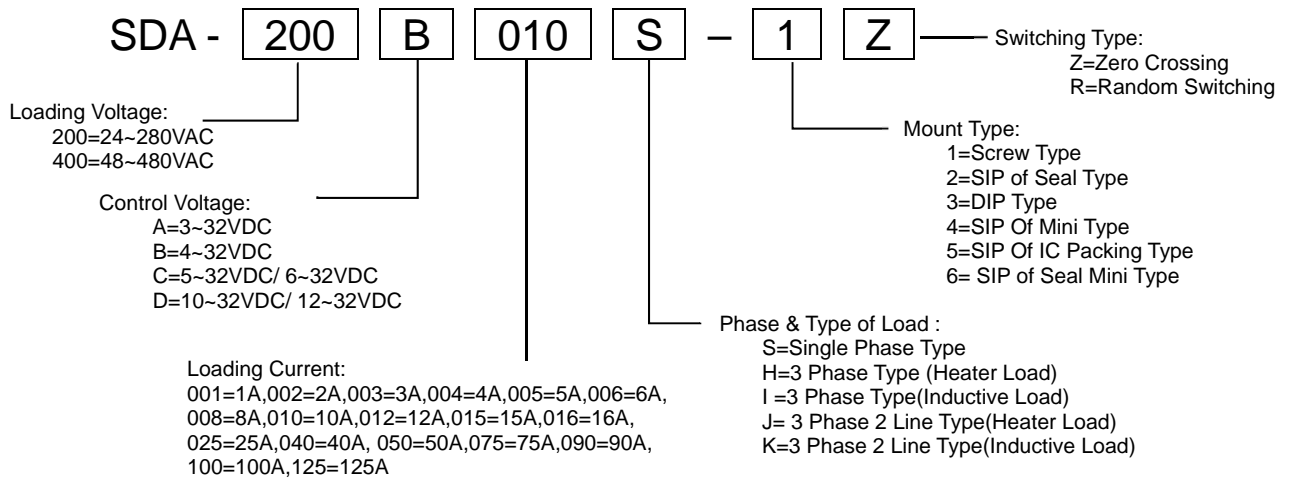
- DC Voltage Drive AC loading SSR
- High Stable Reliability
- Non Switching Sparks
- Non Noise
- Non Mechanical Contact
- Low control Power Consumption
- High Speed Reaction

### APPLICATIONS

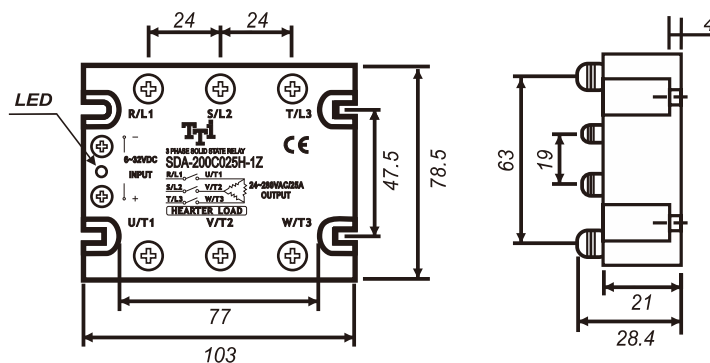
- Industrial Control Systems
- Lighting Systems
- Vending Machines
- Production Systems
- Temperature Control Systems
- Electronics Home Appliances
- Medical Equipment
- Conveying Systems



### ORDERING INFORMATION



### OUTLINE DIMENSION(unit:mm)



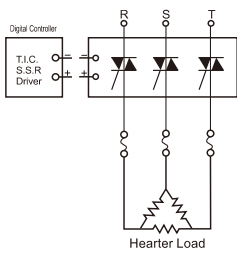
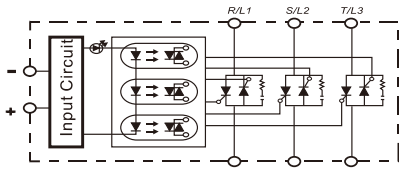
# Solid State Relay

## SPECIFICATIONS

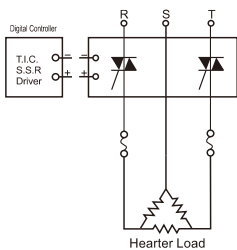
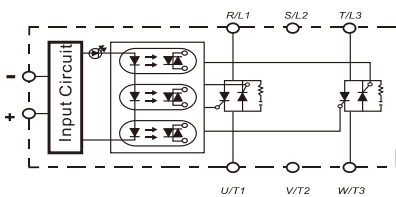
<b>MODEL NO.</b>	SDA-200C025H-1Z	SDA-200C025J-1Z	SDA-400D025H-1Z	SDA-400D025J-1Z	
	SDA-200C040H-1Z	SDA-200C040J-1Z	SDA-400D040H-1Z	SDA-400D040J-1Z	
	SDA-200C050H-1Z	SDA-200C050J-1Z	SDA-400D050H-1Z	SDA-400D050J-1Z	
	SDA-200C075H-1Z	SDA-200C075J-1Z	SDA-400D075H-1Z	SDA-400D075J-1Z	
	SDA-200C090H-1Z	SDA-200C090J-1Z	SDA-400D090H-1Z	SDA-400D090J-1Z	
	SDA-200C100H-1Z	SDA-200C100J-1Z	SDA-400D100H-1Z	SDA-400D100J-1Z	
	SDA-200C125H-1Z	SDA-200C125J-1Z	SDA-400D125H-1Z	SDA-400D125J-1Z	
<b>MOUNT TYPE</b>		Screw Type			
<b>PHASE</b>		3 Phase	3 Phase 2Line	3 Phase	3 Phase 2Line
<b>TYPE OF LOAD</b>		Heater load			
<b>INPUT</b>	<b>Control Voltage Range</b>	6~32VDC	5~32VDC	12~32VDC	10~32VDC
	<b>Must Turn Off Voltage</b>	MAX. 3VDC			
	<b>Input Impedance</b>	1.5 K $\Omega$			
<b>OUTPUT</b>	<b>Max. Load Current</b>	25A,40A,50A,75A,90A,100A,125A			
	<b>Load Voltage Range</b>	24~280VAC		48~480VAC	
	<b>Min. Blocking Voltage</b>	600VAC peak		1200VAC peak	
	<b>Max.Off-State Leakage</b>	Less 10mA			
	<b>Max.1 cycle Peak Surge</b>	250A,400A,500A,750A,900A,1000A,1250A			
	<b>Max. Off State dv/dt</b>	500V/ $\mu$ sec		1000V/ $\mu$ sec	
<b>GENERAL RATING</b>	<b>Isolate Impedance</b>	1G $\Omega$			
	<b>Dielectric Strength</b>	4000VAC RMS			
	<b>Input-Output</b>	2500VAC RMS			
	<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 $^{\circ}$ C			
<b>Switching Type</b>	Zero Crossing				
<b>Weight (g)</b>		600g			
<b>Compliance</b>		CE , RoHS			

## EQUIVALENT CIRCUIT

### 3 Phase



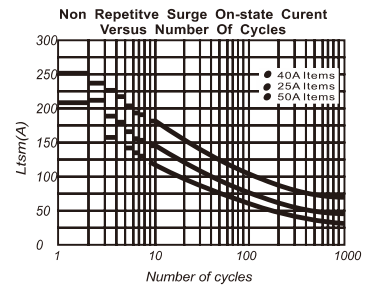
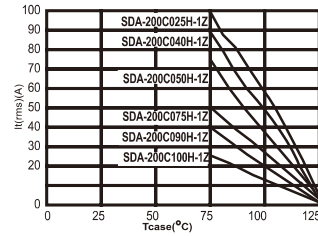
### 3 Phase 2Line



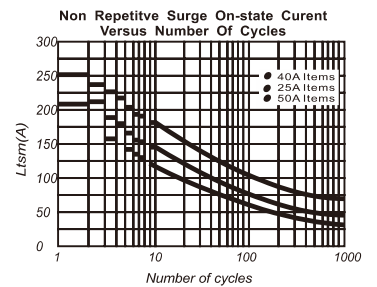
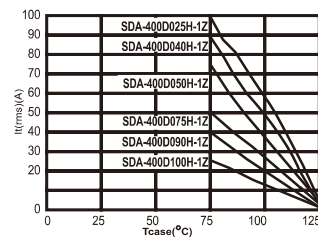
## CHARACTERISTIC CURVES

### 3 Phase

RMS On-state Current Versus Case Temperature

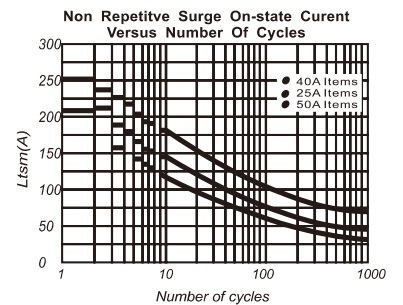
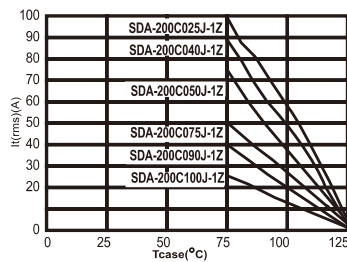


RMS On-state Current Versus Case Temperature



### 3 Phase 2Line

RMS On-state Current Versus Case Temperature



RMS On-state Current Versus Case Temperature

