

# SONGLE RELAY

	RELAY ISO9002	SRSC
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## 1. MAIN FEATURES

- ó 5AE10A switching capabilities
- ó SPST-NO and SPDT configuration
- ó Subminiature, standard PC layout
- ó Sealed & Unsealed types available

## 2. APPLICATIONS

- ó House-hold appliance, office machine, etc.

## 3. ORDERING INFORMATION

SRSC	XX VDC	S	C	L
Model of relay	Nominal coil voltage	Structure	Contact form	Coil sensitivity
SRSC	03,05,06,09,12,18,24VDC	S:Sealed type	A:1 form A	L: 0.45W
		F:Flux free type	C:1 form C	H: 0.20W

## 4. RATING

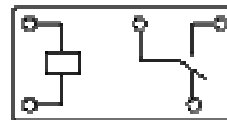
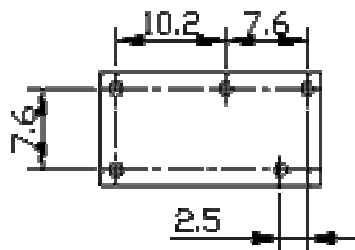
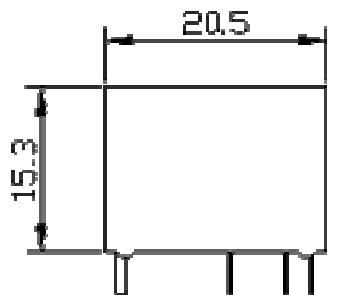
5A/250VAC 30VDC

10A/125VAC 30VDC

## 5. DIMENSION (unit:mm)

### DRILLING (unit:mm)

### WIRING DIAGRAM



## 6. COIL DATA CHART (AT20 ° C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω)±10%	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
SRSC (High Sensitivity)	03	3	67	45	abt. 0.2W	75% Max.	5% Min.	110% Max.
	05	5	42	120				
	06	6	33	180				
	09	9	22	400				
	12	12	18	700				
	18	18	11	1620				
SRSC (Standard)	03	3	150	20	abt. 0.45W	75% Max.	5% Min.	110% Max.
	05	5	89	56				
	06	6	75	80				
	09	9	50	180				
	12	12	37.5	320				
	18	18	25	720				
	24	24	18.7	1280				

## 7. CONTACT RATING

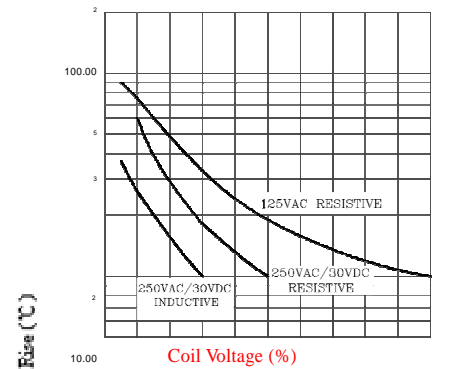
Item	Type	SRSC		
		1 Form A	1 Form C N/O	1 Form C N/C
Contact Capacity Resistive Load (cosΦ=1)		5A 30VDC 5A 250VAC	5A 30VDC 5A 250VAC 10A 125VAC	3A 30VDC 3A 250VAC
Inductive Load (cosΦ=0.4L/R=7msec)		10A 125VAC	4A 125VAC 3A 30VDC	3A 125VAC 2A 30VDC
		4A 125VAC	10A	
Rated Carrying Current		3A 30VDC 10A		3A
Max. Allowable Voltage		110VDC, 250VAC		
Max. Allowable Current		10A	10A	3A
Max. Allowable Power Force		1250VA, 150W		
Contact Material		AgCdo		

## 8. PERFORMANCE (at initial value)

Item	Type	SRSC
Contact Resistance		100mΩ Max
Operation Time		10msec Max.
Release Time		5msec Max.
Dielectric Strength		
Between coil & contact		4000VAC, 1min
Between contacts		1000VAC, 1min
Insulation Resistance		100 MΩ Min. (500VDC)
Operating Ambient Temperature		-30C to +60C
Operating Humidity		35% ~ 95%
Vibration Resistance		10 to 55HZ Double Amplitude 1.6mm
Shock Resistance		100m/s <sup>2</sup> Malfunction 1000m/s <sup>2</sup> Malfunction
Life Expectancy		
Mechanically		10 <sup>7</sup> ops. Min. (no load)
Electrically		10 <sup>5</sup> ops. Min. (at rated coil voltage)
Weight		Abt. 9grs.

## 9. REFERENCE DATA

### Coil Temperature Rise



### Life Expectancy

