

# SONGLE RELAY

	<p>RELAY ISO9002</p>	<p><b>SRC</b></p>
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## 1. MAIN FEATURES

- 2 Form C (DPDT) bifurcated-cross-bar contacts.
- Gold Clad silver contact.
- Dip-2C type matching 16pin IC socket.
- Sealed type available.
- UL recognized.
- High sensitivity.
- Coil Power Consumption : 0.20 ~ 0.50W

## 2. APPLICATIONS

- Telecommunication equipment, domestic appliances, office machines, audio equipment, etc.

## 3. ORDERING INFORMATION

SRC	XX VDC	S	L
Model of relay	Nominal coil voltage	Structure	Coil sensitivity
SRC	03、05、06、09、12、24、48VDC	S:Sealed type	H:0.20W
		F:Flux free type	L:0.36W
			D:0.45W

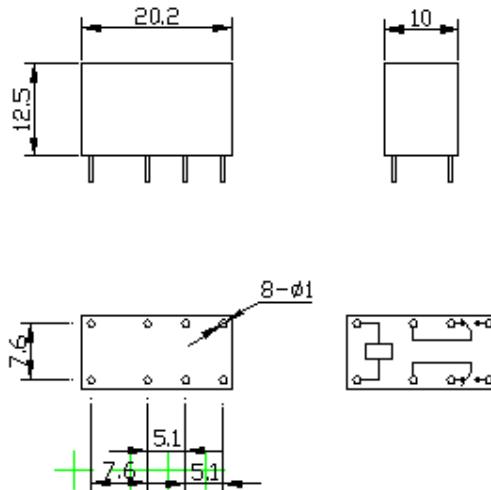
## 4. RATING

UL/CUL FILE NUMBER: E167996 1A/120VAC 30VDC 1A/120VAC 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 ( $\Omega$ ) $\pm 10\%$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
SRC-L	03	3	120	25	abt. 0.36W	75% Max.	5% Min.	150%
	05	5	71.4	70				
	06	6	60	100				
	09	9	40.9	220				
	12	12	30	400				
	24	24	15	1600				
SRC-H	03	3	66.7	45	abt. 0.2W	75% Max.	5% Min.	150%
	05	5	40	125				
	06	6	33.3	180				
	09	9	22.2	405				
	12	12	16.7	720				
	24	24	8.3	2880				
SRC-D	48	48	8.3	5760	abt. 0.4W			

## 7. CONTACT RATING

Item	Type	SRC
Contact Capacity		
Resistive Load ( $\cos\Phi=1$ )		1A 120VAC / 1A 30VDC
Inductive Load ( $\cos\Phi=0.4$ L/R=7msec.)		0.5A 120VAC / 0.5A 30VDC
Rated Carrying Current		1A
Max. Allowable Voltage		120VAC, 28VDC
Max. Allowable Current		1A
Referenced Min. Applicable Load		100mVDC 0.1mA
Contact Material		AgCdO+ Au Clad

## 8. PERFORMANCE (at initial value)

Item	Type	SRC
Contact Resistance		100m $\Omega$ Max.
Operation Time		8msec Max.
Release Time		5msec Max.
Dielectric Strength		
Between coil & contact		500VAC 50/60Hz (1 minute)
Between contacts		500VAC 50/60Hz (1 minute)
Insulation Resistance		1000 M $\Omega$ Min. (500VDC)
Max. ON/OFF Switching		
Mechanically		300 operation/min
Electrically		30 operation/min
Operating Ambient Temperature		-25°C to +55°C
Operating Humidity		45 to 85% RH
Vibration Endurance		10 to 55Hz Double Amplitude 1.5mm
Error Operation		10 to 55Hz Double Amplitude 1.5mm
Shock Endurance		100G Min.
Error Operation		10G Min.
Life Expectancy		
Mechanically		10 <sup>7</sup> ops. Min. (no load)
Electrically		10 <sup>5</sup> ops. Min.
Weight		abt. 6grs.

## 9. REFERENCE DATA

