

# SONGLE RELAY

	<b>RELAY ISO9002</b>	<b>SLI</b>
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## 1. MAIN FEATURES

- SPST- NO/NC and SPDT configurations.
- 2KV dielectric coil to contacts.
- Ambient Temperature:-25~70°C

## 2. APPLICATIONS

- Used for power switching, Electrical Heater, Ventilator.  
Air conditioning, Refrigerating, Automobile and House hold Appliance.

## 3. ORDERING INFORMATION

SLI	XX VDC	S	L	C
Model of relay	Nominal coil voltage	Structure	Coil sensitivity	Contact form
SLI	05、06、09、12、18、24VDC	S:Sealed type	L: 0.93W	A:1 form A
		F:Flux free type	D: Special	B:1 form B C:1 form C

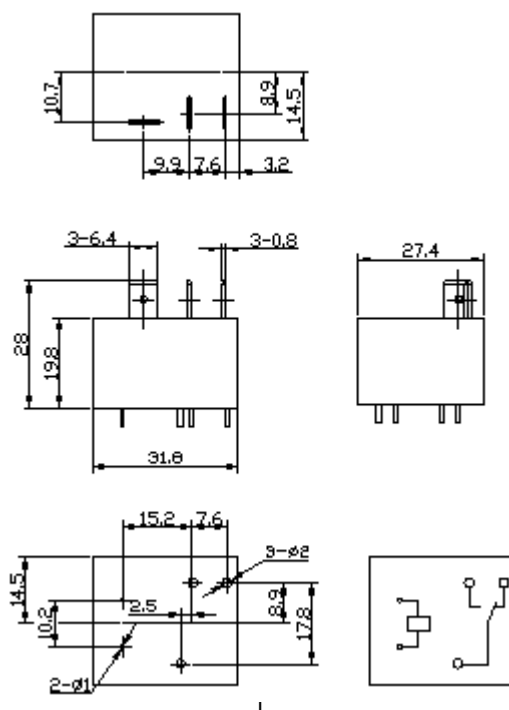
## 4. RATING

20A/28VDC 240VAC	30A/28VDC 240VAC
CCC FILE NUMBER:CH0056447-2001	30A/250VDC
UL/CUL FILE NUMBER: E179944	NO:20A/240VAC 28VDC NC:10A/240VAC 28VDC
TUV FILE NUMBER: R9933789	NO:30A/240VAC 28VDC NC:20A/240VAC 28VDC

## 5. DIMENSION (unit:mm)

## DRILLING (unit:mm)

## WIRING DIAGRAM



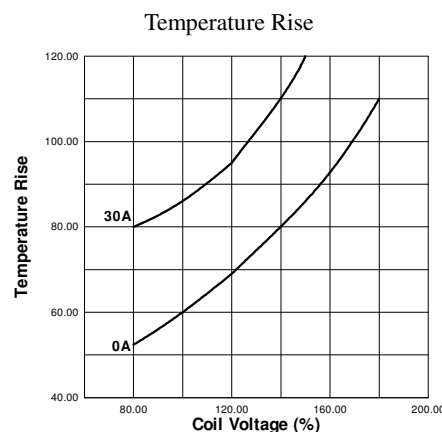
## 6. COIL DATA CHART (AT20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage	Nominal Current (mA)	Coil Resistance	Power Consumption	Pull-In Voltage	Drop-Out Voltage	Max-Allowable Voltage
	VDC	VDC	mA	$\Omega \pm 10\%$	VA	VDC	VDC	VDC
SLI	05	5	185	27	abt. 0.93	75%Max.	10%Max.	130%
	06	6	150	40				
	09	9	93	97				
	12	12	77	155				
	24	24	36	660				

## 7. CONTACT RATING

Item \ Type	SLI			
	1 Form A	1 Form B	1 Form C	
			N/O	N/C
Contact Capacity Resistive Load ( $\cos\Phi=1$ )	30A 240VAC 20A 30VDC	15A 240VAC 10A 30VDC	20A 240VAC 20A 30VDC	15A 240VAC 10A 30VDC
General Motor	240VAC 2HP 120VAC 1HP	240VAC 0.5HP 120VAC 0.25HP	240VAC 2HP 120VAC 1HP	240VAC 0.5HP 120VAC 0.25HP
Rated Carrying Current	30A	15A	20A	15A
Max. Allowable Voltage	30VDC, 300VAC			
Max. Allowable Current	30A	15A	20A	15A
Max. Allowable Power Force	7200VA/600W		4800VA/600W	
Contact Material	AgCdO			

## 9. REFERENCE DATA



## 8. PERFORMANCE (at initial value)

Item \ Type	SLI
Contact Resistance	50m $\Omega$ max (at rated current, Voltage drop method).
Operation Time	15msec Max.
Release Time	10msec Max.
Dielectric Strength	Between coil & contact 2000VAC, 1min Between contacts 1500VAC, 1min
Insulation Resistance	100 M $\Omega$ Min. (500VDC)
Operating Ambient Temperature	-25 $^{\circ}$ C ~ 70 $^{\circ}$ C
Operating Humidity	95%, +40 $^{\circ}$ C
Vibration Resistance	10 to 55HZ Double Amplitude 1.5mm
Shock Resistance	98 m/s $^2$ Malfunction. 980 m/s $^2$ Mechanical.
Life Expectancy	Mechanically 10 $^7$ ops. Min. (no load) Electrically 10 $^5$ ops. Min. (at rated load)
Weight	abt. 30grs.
UL File No.	E179944
TUV File No.	R9933789
CCEE File No.	CH0056447-2001

