

SONGLE RELAY



RELAY ISO9002

SLC



1. MAIN FEATURES

- Up to 30A switching in SPST and 20A switching in SPDT arrangements.
- Available as an open-frame relay, with a snap-on dust cover or with an immersion cleanable, plastic sealed case.
- Meets UL508 spacing requirements.

2. APPLICATIONS

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

3. ORDERING INFORMATION

SLC	XX VDC	S	L	C
Model of relay	Nominal coil voltage	Structure	Coil sensitivity	Contact form
SLC	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

CCEE FILE NUMBER:CH0056447-2001 30A/250VDC

UL /CUL FILE NUMBER: E179944

NO:20A/240VAC 28VDC NC:10A/240VAC 28VDC

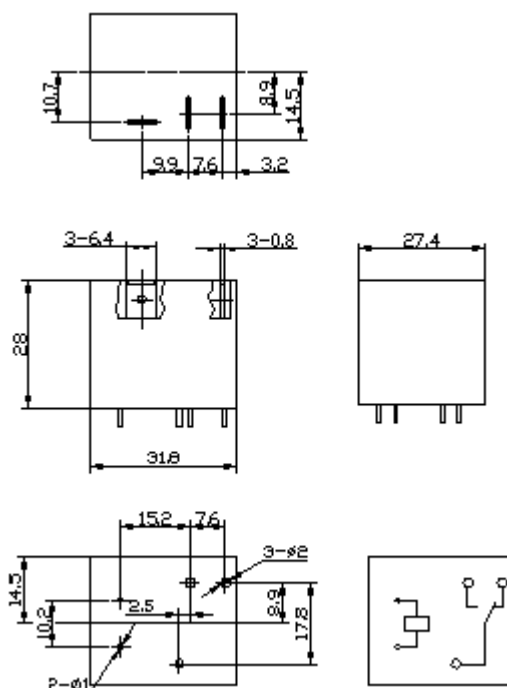
TUV FILE NUMBER: R9933789

NO:30A/240VAC 28VDC NC:20A/240VAC 28VDC

5. DIMENSION (unit:mm)

DRILLING (unit:mm)

WIRING DIAGRAM



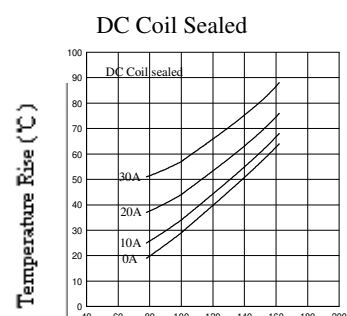
6. COIL DATA CHART (AT20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage	Nominal Current (mA)	Coil Resistance	Power Consumption	Pull-In Voltage	Drop-Out Voltage	Max-Allowable Voltage
SLC	VDC	VDC	mA	$\Omega \pm 10\%$	VA	VDC	VDC	VDC
	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	SLC			
	FORM A	FORM B	FORM C	
			N/O	N/C
Resistive Load ($\cos\Phi=1$) General Motor	30A 240VAC	15A 240VAC	20A 240VAC	10A 240VAC
	30A 28VDC	10A 28VDC	20A 28VDC	10A 28VDC
	240VAC	240VAC	240VAC	240VAC
	2HP	0.5HP	2HP	0.5HP
Ballast	120VAC	120VAC	120VAC	120VAC
	1HP	0.25HP	1HP	0.25HP
Ballast	10A 277VAC	3A 277VAC	10A 277VAC	3A 277VAC
LRA/FLA	240VAC	240VAC 30/10	240VAC	2440VAC
	80/30		50/20	20/7

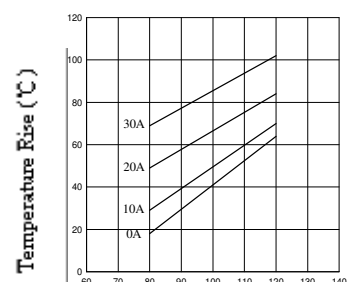
9. REFERENCE DATA



Coil Voltage (% of Nominal Voltage)

8. PERFORMANCE (at initial value)

Item \ Type	SLC
Contact Resistance	100m Ω Max.
Operation Time	15msec Max.
Release Time	10msec Max.
Dielectric Strength	2000VAC 1500VAC
Between coil & contact	
Between contacts	
Insulation Resistance	100 M Ω Min. (500VDC)
Max. ON/OFF Switching	300 operation/min 30 operation/min
Mechanically	
Electrically	
Operating Ambient Temperature	-25° to +70°C (operating)
Operating Humidity	45 to 80% RH
Coil Temperature Rise	60 deg. Max.
Vibration	10 to 55HZ Double Amplitude 1.5mm 10 to 55HZ Double Amplitude 1.5mm
Endurance	
Error Operation	
Shock	1000 m/sec (abt. 100g's) 100 m/sec (abt. 10g's)
Endurance	
Error Operation	
Life Expectancy	10 ⁷ 10 ⁵
Mechanically	
Electrically	
Weight	abt. 34grs.
UL File No.	E179944



Coil Voltage (% of Nominal Voltage)