

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

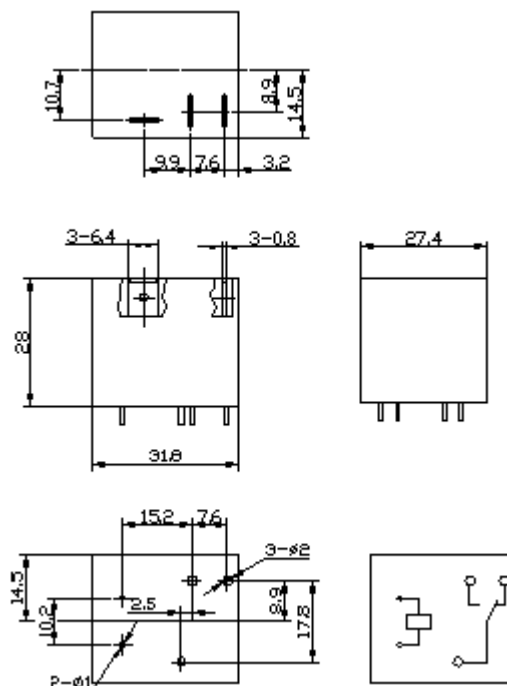
TUV FILE NUMBER: R9933789

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

5. DIMENSION (unit:mm)

DRILLING (unit:mm)

WIRING DIAGRAM



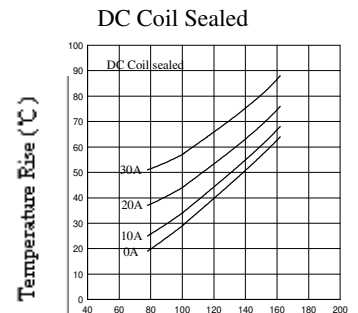
6. COIL DATA CHART (AT20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage	Nominal Current (mA)	Coil Resistance	Power Consumption	Pull-In Voltage	Drop-Out Voltage	Max-Allowable Voltage
	VDC	VDC	mA	$\Omega \pm 10\%$	VA	VDC	VDC	VDC
SLC	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 2HP	240VAC 0.5HP	240VAC 2HP	240VAC 0.5HP
	120VAC 1HP	120VAC 0.25HP	120VAC 1HP	120VAC 0.25HP
Ballast	10A 277VAC	3A 277VAC	10A 277VAC	3A 277VAC
LRA/FLA	240VAC 80/30	240VAC 30/10	240VAC 50/20	2440VAC 20/7

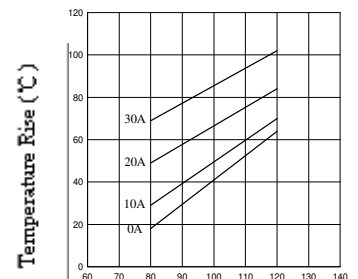
9. REFERENCE DATA



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



Coil Voltage (% of Nominal Voltage)