

SONGLE RELAY

	RELAY ISO9002	SLA
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1. MAIN FEATURES

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

2. APPLICATIONS

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

3. ORDERING INFORMATION

SLA	XX VDC	S	L	C
Model of relay	Nominal coil voltage	Structure	Coil sensitivity	Contact form
SLA	05, 06, 09, 12, 18, 24, 48, 110VDC	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:CH0056477-2001 30A/250VDC

UL/CUL FILE NUMBER: E179944

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

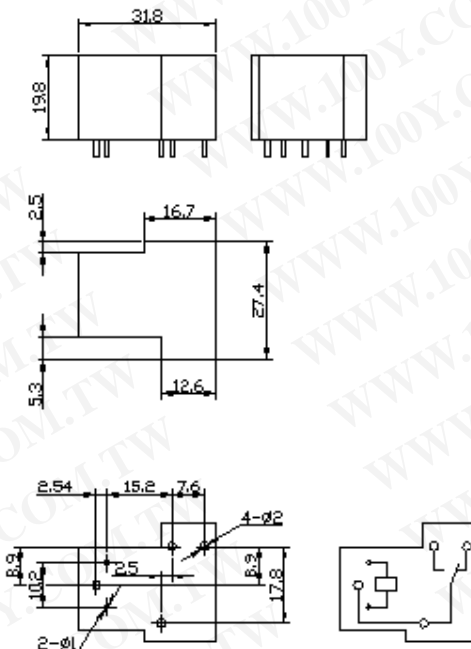
TUV FILE NUMBER: R9933789

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 (VDC)	Nominal Current (mA)	Coil Resistance (Ω) $\pm 10\%$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
SLA	05	5	185	27	abt. 0.93W	75% Max.	10% Max.	120%Max.
	06	6	150	40				
	09	9	93	97				
	12	12	77	155				
	15	15	59	256				
	18	18	47	380				
	24	24	36	660				
	48	48	20	2480				
	110	110	9	13000				

7. CONTACT RATING

Item	Type	SLA			
	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	240VAC 2HP	240VAC 0.5HP	
	120VAC 1HP	0.5HP	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	240VAC 20/7	

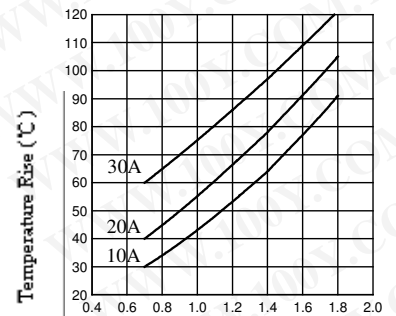
8. PERFORMANCE (at initial value)

Item	Type	SLA
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		300 operation/min
Mechanically Electrically		30 operation/min
Operating Ambient Temperature		-25° to +70°C (storage)
Operating Humidity		45 to 85% 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		100 m/sec ² (abt. 100g's)
Error Operation		10 m/sec ² (abt. 10g's)
Life Expectancy		
Mechanically		10 ⁷
Electrically		10 ⁵
Weight		abt. 20grs, 24grs(SEALED)
UL File No.		E179944

9. REFERENCE DATA

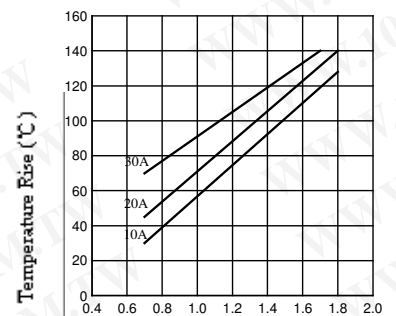
OPEN-STYLE RELAY,

NO DUST COVER



Coil Power (W)

SEALED RELAY



Coil Power (W)