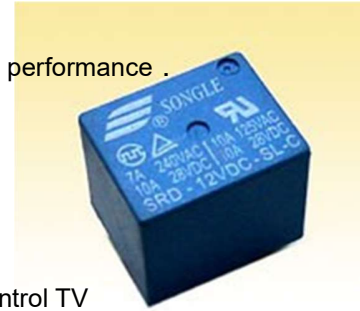


الحمادي للإلكترونيات
ALHAMMADI FOR ELECTRONICS

.MAIN FEATURES

- Switching capacity available by 10A in spite of small size design for highdensity P.C. board mounting technique .
- UL,CUL,TUV recognized .
- Selection of plastic material for high temperature and better chemical solution performance .
- Sealed types available .
- Simple relay magnetic circuit to meet low cost of mass production



2. APPLICATIONS

- Domestic appliance, office machine, audio, equipment, automobile, etc. (Remote control TV receiver, monitor display, audio equipment high rushing current use application.)

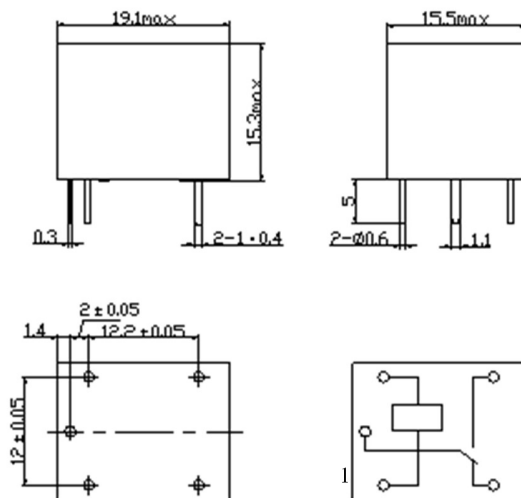
3. ORDERING INFORMATION

SRD	XX VDC	S	L	C
Model of relay	Nominal coil voltage	Structure	Coil sensitivity	Contact form
SRD	03050609122448VDC	S:Sealed type	L:0.36W	A:1 form A
		F:Flux free type	D:0.45W	B:1 form B
				C:1 form C

4. RATING

CCC FILE NUMBER: CQC03001003731 10A/250VDC
 UL/CUL FILE NUMBER: E167996 10A/125VAC 28VDC
 TUV FILE NUMBER: R50056114 10A/250VAC 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 (Ω) $\pm 10\%$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max- Allowable Voltage (VDC)
SRD (High Sensitivity)	03	03	120	25	abt. 0.36W	75%Max.	10% Min.	120%
	05	05	71.4	70				
	06	06	60	100				
	09	09	40	225				
	12	12	30	400				
	24	24	15	1600				
	48	48	7.5	6400				
SRD (Standard)	03	03	150	20	abt. 0.45W	75% Max.	10% Min.	110%
	05	05	89.3	55				
	06	06	75	80				
	09	09	50	180				
	12	12	37.5	320				
	24	24	18.7	1280				
	48	48	10	4500	abt. 0.51W			

7. CONTACT RATING

Item	Type	SRD
	FORM C	FORM A

Resistive Load (cos ϕ =1) Contact Capacity Φ 10A 125VAC 1010A
250VAC A 30VDC =1)

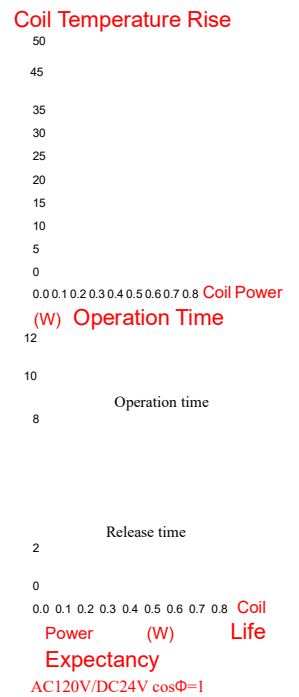
Inductive Load 3A 120VAC 5A 120VAC
(cos ϕ =0.4 L/R=7msec) 3A 28VDC 5A 28VDC Max.
Allowable Voltage 250VAC/110VDC 250VAC/110VDC
Max. Allowable Power Force 800VAC/240W 1200VA/300W
Contact Material AgCdO AgCdO

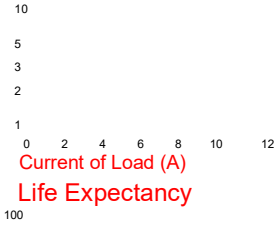
8. PERFORMANCE (at initial value)

Item	Type	SRD
Contact Resistance	100m Ω Max.	
Operation Time	10msec Max.	
Release Time	5msec Max.	
Dielectric Strength		
Between coil & contact	1500VAC 50/60HZ (1 minute)	
Between contacts	1000VAC 50/60HZ (1 minute)	
Insulation Resistance 100 M Ω Min. (500VDC)		
Max. ON/OFF Switching Mechanically 30 300 operation/min Electrically 30 operation/min		
Ambient Temperature	-40°C to +85°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.	

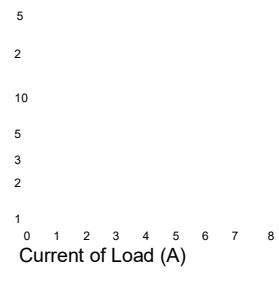
Life Expectancy
Mechanically 10⁷
operations. Min. (no load)
Electrically 10⁵
operations. Min. (at rated
coil voltage)
Weight abt. 10grs.

9. REFERENCE DATA





3



AC : 120V TV-5