CRST RELAYS



CRST90

Dimensions:32.5X27.6X20mm

Features

- 1,Small size,light weight,Low coil power consumption,heavy contact load.
- 2,Strong anti-shock and anti-vibration, high reliability, long life.
- 3, PC board mounting.
- 4, Suitable for automobile, machine, electronic equipment, air conditioner and household appliances applications.

Ordering information

CRST90 -C-S-DC12V -T

1 23 4 5

1, Part number: CRST90

2,Contact arrangement:A:1A;B:1B;C:1C.

3,Enclosure: S:Sealed type; Z:Dust cover 4,Coil rated voltage(V):DC:5,6,9,12,24,36,48

5, Contact capacity: T:High capacity type withstand voltage 4000VAC,(only for CRST90-T) Nil: Standard type

Contact data					
Contact Arrangement		1A,1B	1C		
Contact Material		AgSnO ₂ , AgCdO			
Conatct Rating(Resistive)		30A 250VAC 20A 30VDC(105°C)	NO/NC:30A/12A 250VAC NO:20A 30VDC(105°C)		
Max. Switching Power		9600VA 7200AV			
Max. Switching Voltage		250VAC Max. Switching Current:40A			
Contact Resistance or Voltage Drop		\leq 50m Ω (1A 24VDC)			
Operation Life	Electrical	5X10 ⁴ (at 1,800 cycles/h)			
	Mechanical	10 ⁷ (at 7,200 cycles/h)			

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Coil Para	Coil Parameter							
Coil volt	age(VDC)	Coil Resistance	Pick up Voltage VDC(Max)	Release voltage VDC(Min)	Coil power	Operate	Release	
Datad	May	$\Omega \pm 10\%$	(75% of rated voltage)	(10% of rated voltage)	consumptio	Time	Time	
Rateu	Rated Max				n(W)	(mS)	(mS)	
5	6.5	27	3.75	0.50				
6	7.8	40	4.50	0.60				
9	11.7	90	6.75	0.90				
12	15.6	160	9.00	1.20	0.9	≤15	≤10	
24	31.2	640	18.00	2.40				
36	46.8	1440	27.00	3.60				
48	62.4	2560	36.00	4.80				

Caution:1,The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

2,Pick up and release voltage are for test purposes only and are not be used as design criteria.

CRST RELAYS

http://www.crstrelay.com

Insulation Resistance		1000M Ω min(at 500VDC)
Dielectric Strength	Between Contacts	1500VAC 1min
	Between Contacts and Coil	2000VAC T-4000VAC 1min
Shock Resistance	Functional	98m/s ²
	Destructive	980m/s ²
Vibration Resistance		10~55Hz 1.5mm DA
Ambient Temperature		-45~85℃
		-45~105℃
Relative Humidity		5%~85% RH
Termination		PCB
Construction		Wash tight. Flux proofed
Unit weight		Approx.22g

Dimensions(mm/Inch)



