



CRST91/3

Dimensions H:32.4X27.5X28.0mm

L:32.4X27.5X20mm

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 and Derect insert mounting available.
- 4, Suitable for automobile,machine,electronic equipment,air conditioner and household appliances applications.

Ordering information

CRST91--C-S-DC12V

1 2 3 4

- 1, Part number: CRST91/CRST93
- 2, Contact arrangement:A:1A;B:1B;C:1C.
- 3, Enclosure: S:Sealed type; Z:Dust cover
- 4, Coil rated voltage(V):DC:6,9,12,24,48
- 5, Coil power consumption: Nil: 0.9W

Contact data

Contact Arrangement	1A(1H)(SPST NO);1B(SPST NC);1C(1Z)(SPDT);	
Contact Material	AgSnO ₂ , AgCdO	
Conatct Rating(Resistive)	30A/240VAC;30VDC	
Max.Switching Power	900W 7200AV	
Max.Switching Voltage	110VDC 300VAC Max.Switching Current:30A	
Contact Resistance or Voltage Drop	≤ 30m Ω	
Operation Life	Electrical	10 ⁵
	Mechanical	10 ⁷

Coil Parameter

Coil voltage (VDC)		Coil Resistance Ω ±10%	Pick up Voltage VDC(Max) (75% of rated voltage)	Release voltage VDC(Min) (10% of rated voltage)	Coil power consumptio n (W)	Operate Time (mS)	Release Time (mS)
Rated	Max						
6	7.8	40	4.50	0.6	0.9	≤15	≤10
12	15.6	160	9.00	1.2			
24	31.2	640	18.0	2.4			
48	62.4	2560	36.0	4.8			

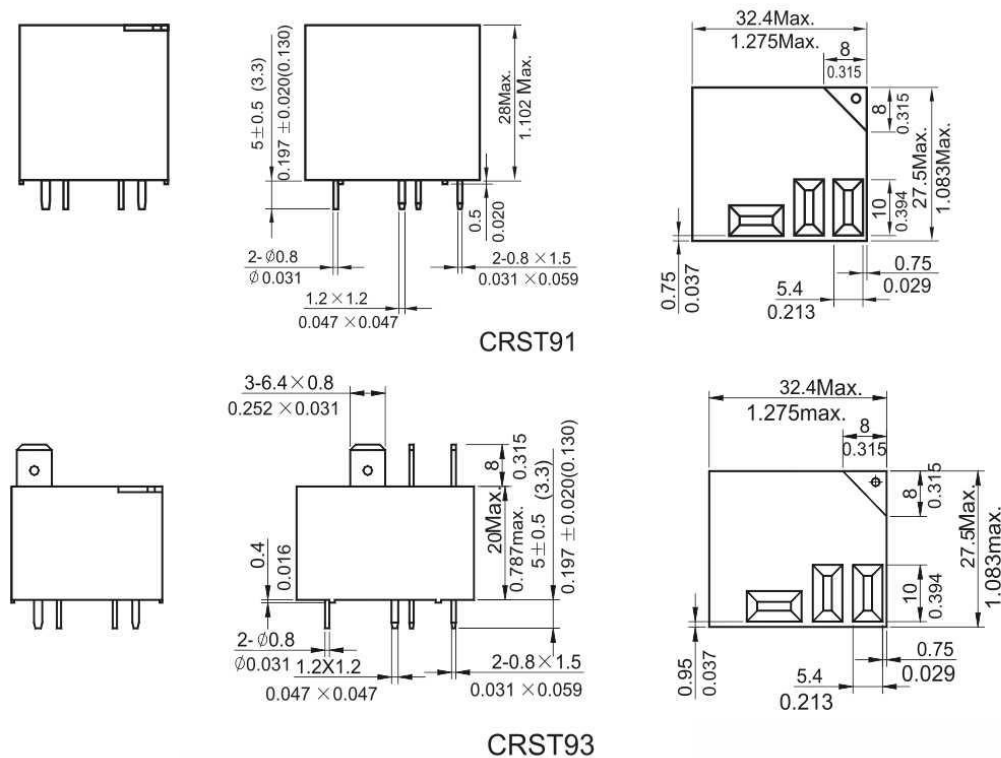
Caution:1,The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

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

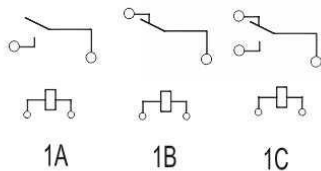
Operation condition

Insulation Resistance	1000M Ω min(at 500VDC)
Dielectric Strength	
Between Contacts	50Hz 1500V
Between Contacts and Coil	50Hz 2500V
Shock Resistance	200m/s ² 11ms
Vibration Resistance	10~55Hz Double amplitude 1.5mm
Terminals Strength	10N
Solderability	235 \pm 2 $^{\circ}$ C 3 \pm 0.5s $^{\circ}$ C
Ambient Temperature	-40~125 $^{\circ}$ C
Relative Humidity	35%~85%(at 20 $^{\circ}$ C)
Mass	32g

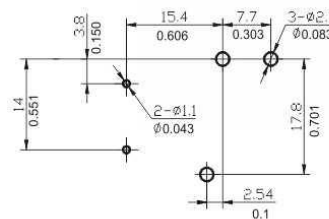
Dimensions(mm/Inch)



外形尺寸图
Dimensions



接线图 (底视图)
Wiring diagram (Bottom view)



安装尺寸图 (底视图)
Mounting (Bottom view)

- 注: 1) 尺寸以毫米为单位。
 NOTES Dimensions are in millimeters.
 2) 给出的等量英寸值仅供参考。
 Inch equivalents are given for general information only