

## CRST22F

Dimensions: 20.3X16.8X20.2mm

### Features

- 1, Small size, light weight, Low coil power consumption.
- 2, 15A Switching capacity can reach 15A.
- 3, PC board mounting.
- 4, Suitable for household electrical appliances, automation system, electronic equipment, instrument and meter application, Remote control TV receivers, monitor display, audio equipment high and rushing current application.

### Ordering information

CRST 22F-C-S-DC12V-H

1 2 3 4 5

- 1, Part number: CRST22F
- 2, Contact arrangement: A:1A; B:1B; C:1C
- 3, Enclosure: S: Sealed type; Z: Dust cover
- 4, Coil rated voltage (V): DC: 3, 5, 9, 12, 24, 48
- 5, Coil Power consumption: Nil: 0.36W, M: 0.45W, H: 1W

### Contact data

Contact Arrangement	1A(1H)(SPST NO); 1B(SPST NC); 1C(1Z)(SPDT)	
Contact Material	AgCdO, AgSnO <sub>2</sub>	
Contact Rating (Resistive)	15A/250 VAC; 15A/30DC; 10A/277VAC	
Max. Switching Power	450W 3750VA	
Max. Switching Voltage	30VDC 277VAC Max. Switching Current: 15A	
Contact Resistance or Voltage Drop	≤ 100m Ω	
Operation Life	Electrical	10 <sup>5</sup>
	Mechanical	10 <sup>7</sup>

### Coil Parameter (23°C)

Coil voltage (VDC)		Coil Resistance Ω ± 10%	Pick up Voltage VDC (Max) (75% of rated voltage)	Release voltage VDC (Min) (5% of rated voltage)	Coil power consumption (W)	Operate Time (mS)	Release Time (mS)
Rated	Max						
3	3.9	25	2.25	0.3	0.36	≤ 15	≤ 5
6	7.8	100	4.50	0.6			
9	11.7	225	6.75	0.9			
12	15.6	400	9.00	1.2			
24	31.2	1600	18.0	2.4			
48	62.4	6400	36.0	4.8			
12	15.6	320	9.00	1.2	0.45	≤ 15	≤ 5
24	31.2	1280	18.0	2.4			
12	15.6	144	9.00	1.2			

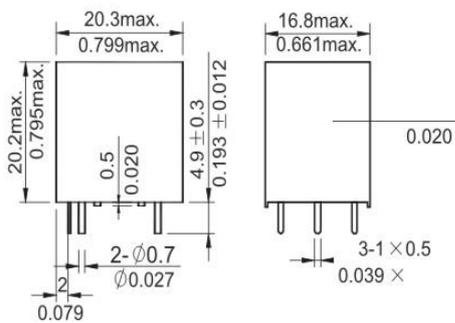
Caution: 1, The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

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

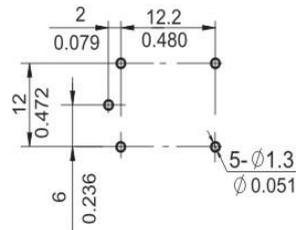
### Operation condition

Insulation Resistance	100M $\Omega$ min (at 500VDC)
Dielectric Strength	
Between Contacts	50Hz 1000VAC
Between Contacts and Coil	50Hz 1500VAC
Shock Resistance	100m/s <sup>2</sup> 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	-40~85 $^{\circ}$ C
Relative Humidity	85% (at 40 $^{\circ}$ C)
Mass	13g

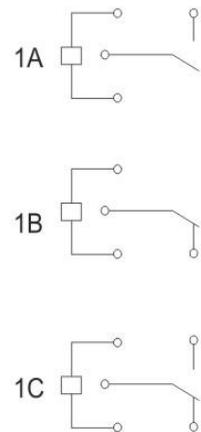
**Dimensions(mm/Inch)**



外形尺寸图  
Dimensions



安装尺寸图 (底视图)  
Mounting (Bottom view)



接线图 (底视图)  
Wiring diagram (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

**参考数据 Reference Data**

