

**CRST90**

尺寸(Dimensions):32.5X27.6X20mm

特点 Features

- 1,体积小,重量轻,线圈功耗低,触点负载大.Small size,light weight,Low coil power consumption,heavy contact load.
- 2,抗冲击及抗震性强,可靠性高,寿命长.Strong anti-shock and anti-vibration,high reliability,long life.
- 3,可直接焊接在印刷线路板中.PC board mounting.
- 4,用于汽车,机床电器,电子设备,空调和各种家用电器.Suitable for automobile,machine,electronic equipment,air conditioner and household appliances applications.

订货信息 Ordering information**CRST90 -C-S-DC12V -T**

1 2 3 4 5

- 1,型号 Part number: CRST90
- 2,触点形式 Contact arrangement:A:1A;B:1B;C:1C.
- 3,封装形式:S:密封型; Z:防尘式 Enclosure: S:Sealed type; Z:Dust cover
- 4,线圈额定电压 Coil rated voltage(V):DC:5,6,9,12,24,36,48
- 5,负载类型:T:高负载 4000VAC 无: 标准 Contact capacity: T:High capacity type withstand voltage 4000VAC,(only for CRST90-T) Nil: Standard type

触点数据 Contact data

触点形式 Contact Arrangement	1A	1C
触点材料 Contact Material	AgSnO ₂ , AgCdO	
触点负载(阻性) Contact Rating(Resistive)	30A 250VAC 20A 30VDC(105°C)	NO/NC:30A/12A 250VAC NO:20A 30VDC(105°C)
最大切换功率 Max. Switching Power	9600VA 7200AV	
最大切换电压 Max. Switching Voltage	250VAC 最大切换电流 Max. Switching Current:40A	
触点阻性或压降 Contact Resistance or Voltage Drop	≤50mΩ (1A 24VDC)	
寿命 Operation Life	电气 Electrical	5X10 ⁴
	机械 Mechanical	10 ⁷

线圈参数 Coil Parameter

线圈电压 Coil voltage(VDC)		线圈电阻 Coil Resistance	吸合电压 VDC(最大) Pick up Voltage VDC(Max)	释放电压 VDC Release voltage VDC(Min)	线圈功耗 Coil power consumption(W)	动作时间 Operate Time (mS)	释放时间 Release Time (mS)
额定 Rated	最大 Max	Ω ±10%	(额定电压的 75%) (75% of rated voltage)	(额定电压的 10%) (10% of rated voltage)			
5	6.5	27	3.75	0.50	0.9	≤15	≤10
6	7.8	40	4.50	0.60			
9	11.7	90	6.75	0.90			
12	15.6	160	9.00	1.20			
24	31.2	640	18.00	2.40			
36	46.8	1440	27.00	3.60			
48	62.4	2560	36.00	4.80			

注意:1,使用的线圈电压低于线圈额定电压时将会损害继电器的工作.

2,吸合,释放电压仅供检测用,不是设计的使用指标.

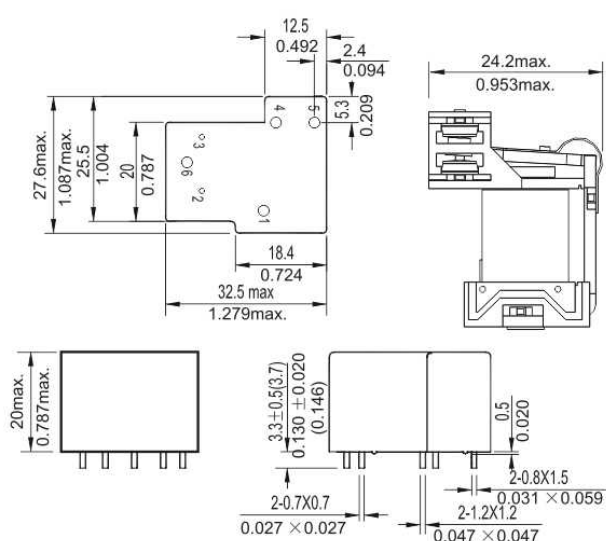
Caution:1,The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

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

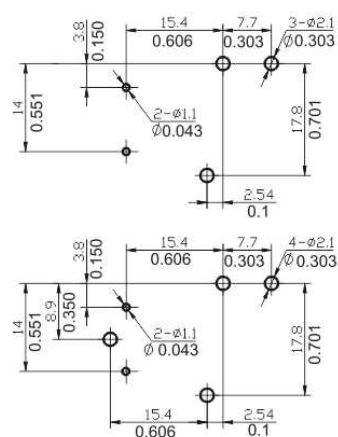
技术特性 Operation condition

绝缘电阻 Insulation Resistance		1000MΩ min(at 500VDC)
介质耐压 Dielectric Strength	断开触点间 Between Contacts	1500VAC 1min
	触点与线圈间 Between Contacts and Coil	2000VAC T-4000VAC 1min
耐冲击 Shock Resistance	动作极限 Functional	98m/s²
	破坏极限 Destructive	980m/s²
抗振性 Vibration Resistance		10~55Hz 1.5mm DA
环境温度 Ambient Temperature		-45~85℃ -45~105℃
相当湿度 Relative Humidity		5%~85% RH
安装方式 Termination		PCB
封装方式 Construction		Wash tight. Flux proofed
质(重)量 Unit weight		Approx.22g

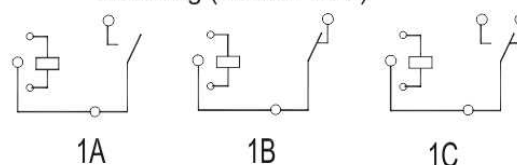
外形尺寸 Dimensions(mm/Inch)



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

