



CRST76

(Dimensions):23X16.2X10.2mm

Features

- 1, Supper light in weight.
- 2, High sensitivity.
- 3, 16A Switching capacity up to 16A.
- 4, PC Board mounting.

Ordering information

CRST 76-C-S-DC12V

1 2 3 4

- 1, Part number: CRST76
- 2, Contact arrangement:A:1A;C:1C
- 3, Enclosure: S:Sealed type;Z:Dust cover
- 4, Coil rated voltage(V):DC:3,5,9,12,24,48

Contact data

Contact Arrangement	1A(1H)(SPST NO);1C(1Z)(SPDT)	
Contact Material	AgCdO, AgSnO ₂ In ₂ O ₃	
Conatct Rating(Resistive)	16A/250VAC/30VDC	
Max.Switching Power	300W 2500VA	
Max.Switching Voltage	110VDC 380VAC Max.Switching Current:16A	
Contact Resistance or Voltage Drop	≤50m Ω	
Operation Life	Electrical	10 ⁵
	Mechanical	10 ⁷

线圈参数 Coil Parameter

Coil voltage (VDC)		Coil Resistance Ω ±10%	Pick up Voltage VDC(Max) (75% of rated voltage)	VDC Release voltage VDC(Min) (5% of rated voltage)	Coil power consumption (W)	Operate Time (mS)	Release Time (mS)
Rated	Max						
5	6.5	125	3.75	0.25	0.2	≤10	≤5
6	7.8	180	4.50	0.30			
9	11.7	405	6.75	0.45			
12	25.6	720	9.00	0.60			
24	31.2	2880	18.0	1.20			

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	100M Ω min(at 500VDC)
Dielectric Strength	
Between Contacts	50Hz750VAC
Between Contacts and Coil	50Hz 1500VAC
Shock Resistance	100M/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	-40~85 $^{\circ}$ C
Relative Humidity	85%(at 20 $^{\circ}$ C)
Mass	10g

Dimensions(mm/Inch)

The technical drawings show the following dimensions and features:

- Top View:** Overall width is 23 \pm 0.5 mm. A vent-hole cover is located at the top-left corner. The height is 16.2 \pm 0.5 mm.
- Bottom View:** Shows the internal coil and contact arrangement. Terminals are labeled 1, 2, 3, 4, and 5. Terminal 3 is labeled 'com', 4 is 'NO', and 5 is 'NC'.
- PCB Layout (Bottom view):** Shows the footprint with dimensions: 17.78 mm width, 12.7 mm height, 10.16 mm spacing between terminals, and 7.62 mm spacing between terminals. Hole diameters are 2- ϕ 0.9 mm and 3- ϕ 1.3 mm.
- Wiring Diagram (Bottom View):** Shows the electrical connections between the terminals.
- Dimensions:** A side view shows a height of 10.2 \pm 0.5 mm. Terminal spacings are 3.7 $^{+0.5}_{-0.3}$ mm, 1.0 mm, 1.0 mm, 0.5 mm, and 1.0 mm. A 0.4 mm offset is also indicated.

注: 1) 尺寸以毫米为单位。
Dimensions are in millimeter.
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 ReferenceData

