



CRST4100

Dimensions: 15.7X11X12mm

Features

- 1, Low coil power consumption.
- 2, High sensitivity.
- 3, Small size, Light weight.
- 4, PC board mounting.
- 5, Suitable for automation facilities, telecommunication equipment, household electrical appliance, wireless radio remote control, sound control toys application etc

Ordering information

CRST4100 -C-S-DC12V-L

1 2 3 4 5

- 1, Part number: CRST4100
- 2, Contact arrangement C: 1C
- 3, Enclosure: S: Sealed type; Z: Dust cover
- 4, Coil Rated voltage (V): DC: 3, 5, 6, 9, 12, 24
- 5, Coil power consumption: Nil 0.36W (Standard); L: 0.2W (High sensitivity)

Contact data

Contact Arrangement	1C	
Contact Material	AgNi, AgCdO	
Contact Rating (Resistive)	UL: 1A/240VAC; 2A/120VAC; 2A/24VDC CQC: 3A/250VAC; 3A/28VDC	
Max. Switching Power	30W 600VA	
Max. Switching Voltage	28VDC 250VAC Max. Switching Current: 5A	
Contact Resistance or Voltage Drop	≤ 50m 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 consumption (W)	Operate Time (mS)	Release Time (mS)		
Rated	Max								
5	5.5	125	3.75	0.5	0.2	≤ 10	≤ 5		
9	9.9	405	6.75	0.9					
12	13.2	720	9.00	1.2					
24	26.5	2880	18.0	2.4					
5	5.5	75	3.75	0.5	0.36			≤ 10	≤ 5
9	9.9	225	6.75	0.9					
12	13.2	400	9.00	1.2					
24	26.5	1600	18.0	2.4					

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

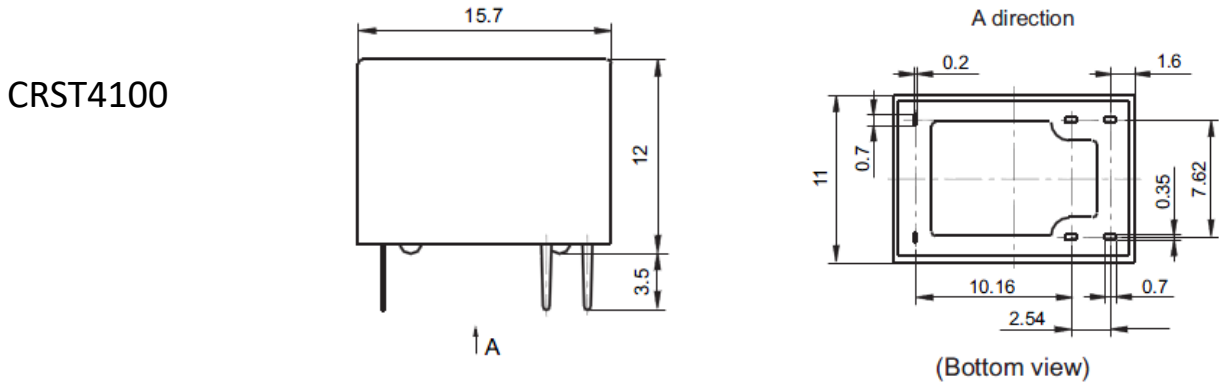
Insulation Resistance	100M Ω (at 500VDC)	
Dielectric Strength	Between Contacts	500VAC 1min
	Between Contacts and Coil	1000VAC 1min

CRST RELAYS

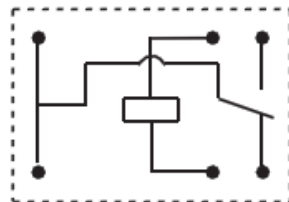
<http://www.crstrelay.com>

Shock Resistance	Functional	98m/s ²
	Destructive	980m/s ²
Vibration Resistance		10~55Hz 1.5mm DA
Ambient Temperature		-45~85°C
Relative Humidity		5%~85% RH
Termination		PCB
Construction		Plastic sealed, Flux proofed
Unit weight		Approx.5g

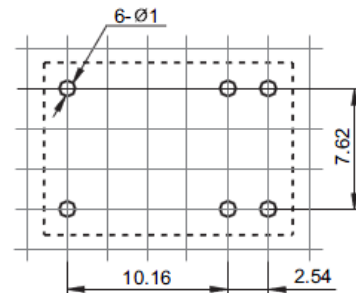
Dimensions(mm/Inch)



Wiring Diagram
(Bottom view)

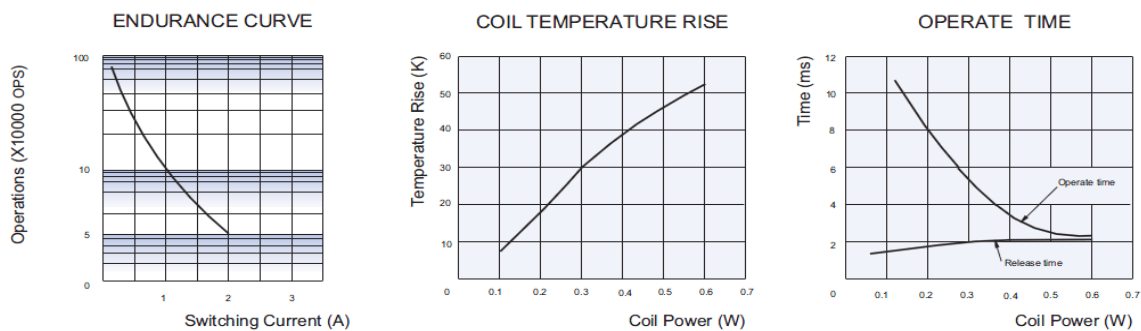


PCB Layout
(Bottom view)



Dimension Tolerance: <1mm: ±0.2mm
1-5mm: ±0.3mm
>5mm: ±0.5mm

参考数据 Reference Data



Test conditions:
Resistive load, Room temp., 1s on 9s off.