



CRST115F

Dimensions:29X12.9X15.7mm

Features

- 1,Low coil power consumption.
- 2,Low coil consumption.
- 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

CRST115F-S – 12082C

1 2 3 4 5

- 1, Part number: CRST115F
- 2, Enclosure: S:Sealed type;Nil:Dust cover
- 3, Coil rated voltage(V):DC:03,05,09,12,24,48
- 4,Contact Current: 05:5A;08:8A;12:12A;16:16A
- 5,Contact arrangement:1A:1A;2A:2A;1C:1C;2C:2C

Contact data

Contact Arrangement	1A(1H)(SPST NO);2A(DPST NO);1C(1Z)(SPDT);2C(2Z)(DPDT)			
Contact Material	AgCdO , AgSnO ₂			
Contact Rating(Resistive)	Contact Arrangement	1A,1C	1A,1C	2A,2C
	Resistive	16A/250VAC;30VDC 1A:20A/120VAC	12A/250VAC;30VDC	8A/250VAC;30VDC
	Inductive	8A/250VA;30VDC	6A/250VAC;5A/30VDC	4A/250VAC,3A/30VDC
Max. Switching Power	Resistive	4000VA 480W	3000VA 360W	2000VA 240W
	Inductive	2000VA 240W	1500VA 150W	1000VA 90W
Max. Switching Current:	16A	12A	8A	
Max. Switching Voltage	250VAC 30VDC			
Contact Resistance or Voltage Drop	≤100mΩ			
Operation Life	Electrical	10 ⁵		
	Mechanical	10 ⁷		

Coil Parameter

Coil voltage(VDC)		Coil Resistance Ω ±10%	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Power Consumption (W)	Operate Time (mS)	Release Time (mS)
Rated	Max						
5	6.5	62	75%	10%	0.4	≤10	≤5
12	15.6	360					
24	31.2	1440					

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 open Contacts	1000VAC 1min
	Between Contacts and Coil	5000VAC 1min
Shock Resistance	Functional	98m/s ²

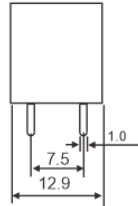
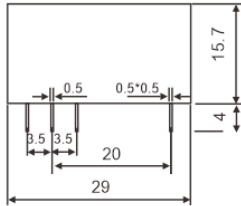
CRST RELAYS

<http://www.crstrelay.com>

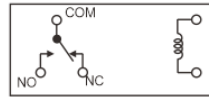
	Destructive	980m/s ²
Vibration Resistance		10~55Hz Double amplitude 1.5mm
Termination		PCB
Ambient Temperature		-40~85°C
Relative Humidity		5%~85% RH
Unit weight		Approx.13g

Dimensions(mm/Inch)

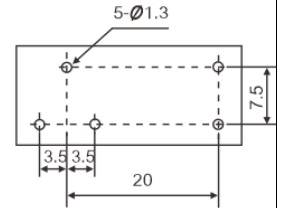
CRST115F
12Amps



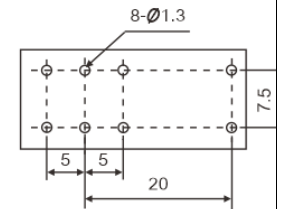
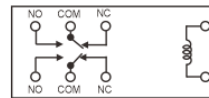
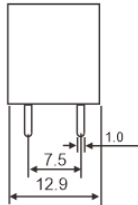
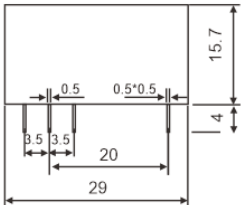
WIRING DIAGRAM (BOTTOM VIEW)



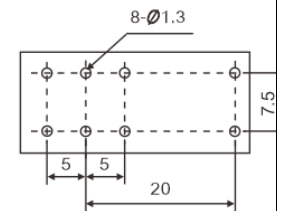
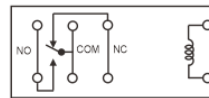
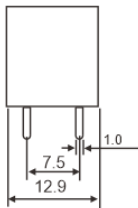
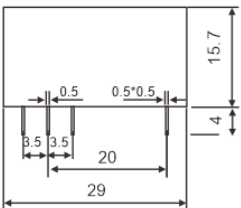
P.C.B LAYOUT (BOTTOM VIEW)



8Amps



16Amps



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