

**CRST4117**

(Dimensions):18X16.4X20mm

Features

- 1, Single Contact and double Contact types offer switching capacity by 15A in small size for exclusive automobile control relay switching box use.
- 2, PCB terminal.
- 3, Operating ambient temperature range covers from -40℃ by 125℃ at no current on relay's contacts.
- 4, Applications: Car control switching box (alarm system, automatic door locking) wiper motor Reversing, window Lifter, Flashers or turning signals, Air conditioning, Fuel pump Control system etc.

Ordering informationCRST 4117--12VDC—SL—A

1 2 3 4

- 1, Part number: CRST4117
- 2, Coil rated voltage(V): DC: 6, 12, 24
- 3, Enclosure: S: Sealed type; F: Flux free type; Coil power consumption: L: 0.45W; Nil: Special
- 4, Contact arrangement: 1A: 1A; 1B: 1B; 1C: 1C; 1U: 1U; 1V: 1V; 1W: 1W.

Contact data

Contact Capacity: Resistive Load	1U/1V/1W: 15A/120VAC; 15A/12VDC	1A/1B/1C: 10A/120VAC; 10A/12VDC
Inductive Load	2.5A/120VAC; 5A/12VDC	1.5A/120VAC; 3A/12VDC
Rated Carrying Current	15A	10A
Max. allowable Voltage	120VAC 28VDC	120VAC 28VDC
Max. allowable Current	15A	10A
Max. allowable Power Force	1800VA 180W	1200VA 120W
Referenced Min. Applicable Load	5VDC 10mA	5VDC 10mA
Contact Material	AgSnO	

Coil Parameter

Normal Coil Voltage	Coil Resistance (Ω) ±10%	Power Consumption(W)	Pull-In Voltage(VDC)	Drop-out Voltage(VDC)	Max-Allowable Voltage(VDC)
5	22	1.1W	70% Max	10% Min	110%
6	33				
9	74				
12	130				
24	520				

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.

Performance(at initial value)

Contact Resistance	100m Ω Max
Operation Time	6ms Max
Release Time	3ms Max
Dielectric Strength	
Between coil & Contact	1000VAC 50/60Hz(1 minute)
Between Contacts	750VAC 50/60Hz(1 minute)
Insulation Resistance	100M Ω Min.(500VDC)
Max. ON/OFF Switching	
Mechanically	300 operation/min
Electrically	30 operation/min
Operation Ambient Temperature	-40°C to +125°C
Operating Humidity	98% RH to 20°C
Vibration Endurance	10 to 55Hz Double Amplitude 1.5mm
Shock Endurance	100G Min
Error Operation	10G Min
Life Expectancy	
Mechanically	10 ⁷ ops Min.(no load)
Electrically	10 ⁵ ops Min.(at rated coil voltage)
Weight	Abt. 12grs(sealed),8grs.(open Frame)

Dimensions(mm)