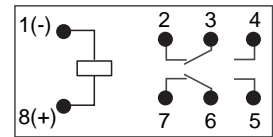
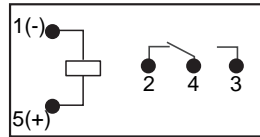




CR15 series relays

- Standard type
- Small size
- High sensitivity
- 1CO-12A contact and 2CO-8A contact
- One pole changeover contacts and two poles changeover contacts
- Socket mounting
- DC coils
- Environmental friendly product (RoHS compliant)



Contact specification

Contact configuration	1CO(SPDT)	2CO(DPDT)
Rated voltage	250VAC/30VDC	250VAC/30VDC
Rated current	12A	8A
Rated load AC-1/DC-1	3000VA/360W	2000VA/240W
Contact resistance	50mΩ	50mΩ
Standard contact material	Ag	Ag
Mechanical life	1x10 ⁷	1x10 ⁷
Electrical life	1x10 ⁵	1x10 ⁵

Coil specification

AC Rated voltage (Un) (50/60Hz)	---	
DC Rated voltage (Un)	6V - 9V - 12V - 24V - 36V - 48V - 110V	
Rated power	AC: 1.0VA, DC: 0.53W	AC: 1.0VA, DC: 0.53W
Pick-up voltage (AC/DC)	0.8Un/0.8Un	0.8Un/0.8Un
Drop-out voltage (AC/DC)	0.3Un/0.1Un	0.3Un/0.1Un

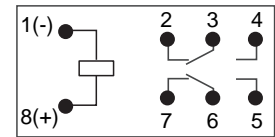
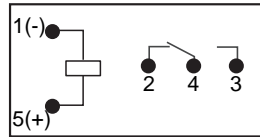
Characteristics

Insulation resistance	1000MΩ	1000MΩ
Dielectric Strength (Between coil and contact)	1000VAC(1Min)	1000VAC(1Min)
Dielectric Strength (Between open contacts)	3000VAC(1Min)	3000VAC(1Min)
Dielectric Strength (Between contact sets)	5000VAC(1Min)	5000VAC(1Min)
Operate time	Max.20ms	Max.20ms
Release time	Max.10ms	Max:10ms
Shock resistance functional	98m/s ²	98m/s ²
Shock resistance destructive	980m/s ²	980m/s ²
Vibration	10-55HZ(1mm)	10-55HZ(1mm)
Ambient temperature	-40°C to +55°C	-40°C to +55°C
Ambient humidity	98%RH, +40°C	98%RH, +40°C
Weight	approx.20g	approx.20g



CR15T series relays

- With test button and self-locking
- Small size
- High sensitivity
- 1CO-12A contact and 2CO-8A contact
- One pole changeover contacts and two poles changeover contacts
- Socket mounting
- DC coils
- Environmental friendly product (RoHS compliant)



Contact specification

	1CO(SPDT)	2CO(DPDT)
Contact configuration	1CO(SPDT)	2CO(DPDT)
Rated voltage	250VAC/30VDC	250VAC/30VDC
Rated current	12A	8A
Rated load AC-1/DC-1	3000VA/360W	2000VA/240W
Contact resistance	50mΩ	50mΩ
Standard contact material	Ag	Ag
Mechanical life	1x10 ⁷	1x10 ⁷
Electrical life	1x10 ⁵	1x10 ⁵

Coil specification

AC Rated voltage (Un) (50/60Hz)	---	
DC Rated voltage (Un)	6V - 9V - 12V - 24V - 36V - 48V - 110V	
Rated power	AC: 1.0VA, DC: 0.53W	AC: 1.0VA, DC: 0.53W
Pick-up voltage (AC/DC)	0.8Un/0.8Un	0.8Un/0.8Un
Drop-out voltage (AC/DC)	0.3Un/0.1Un	0.3Un/0.1Un

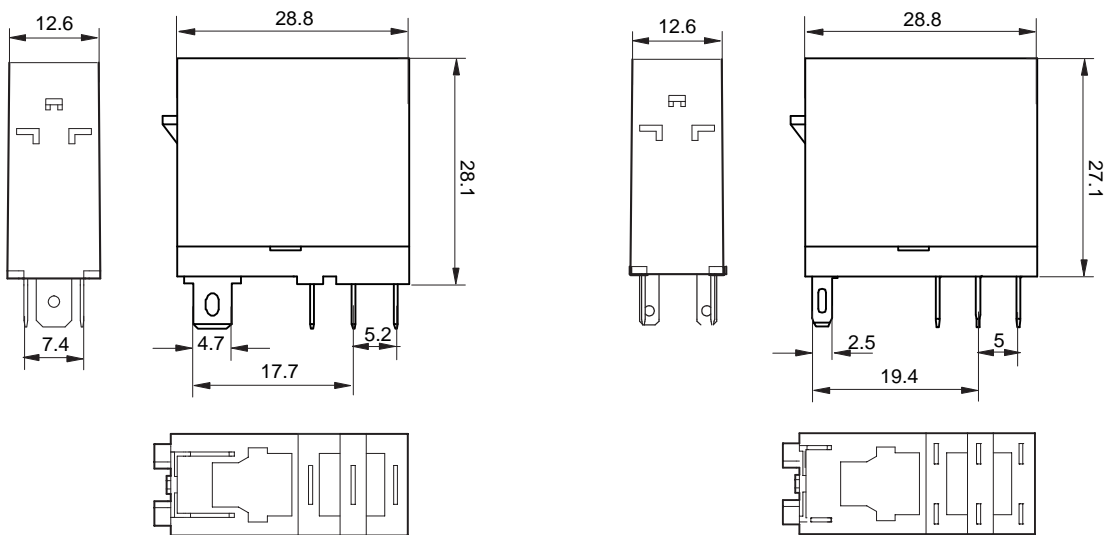
Characteristics

Insulation resistance	1000MΩ	1000MΩ
Dielectric Strength (Between coil and contact)	1000VAC(1Min)	1000VAC(1Min)
Dielectric Strength (Between open contacts)	3000VAC(1Min)	3000VAC(1Min)
Dielectric Strength (Between contact sets)	5000VAC(1Min)	5000VAC(1Min)
Operate time	Max.20ms	Max.20ms
Release time	Max.10ms	Max.10ms
Shock resistance functional	98m/s ²	98m/s ²
Shock resistance destructive	980m/s ²	980m/s ²
Vibration	10-55HZ(1mm)	10-55HZ(1mm)
Ambient temperature	-40°C to +55°C	-40°C to +55°C
Ambient humidity	98%RH, +40°C	98%RH, +40°C
Weight	approx.20g	approx.20g

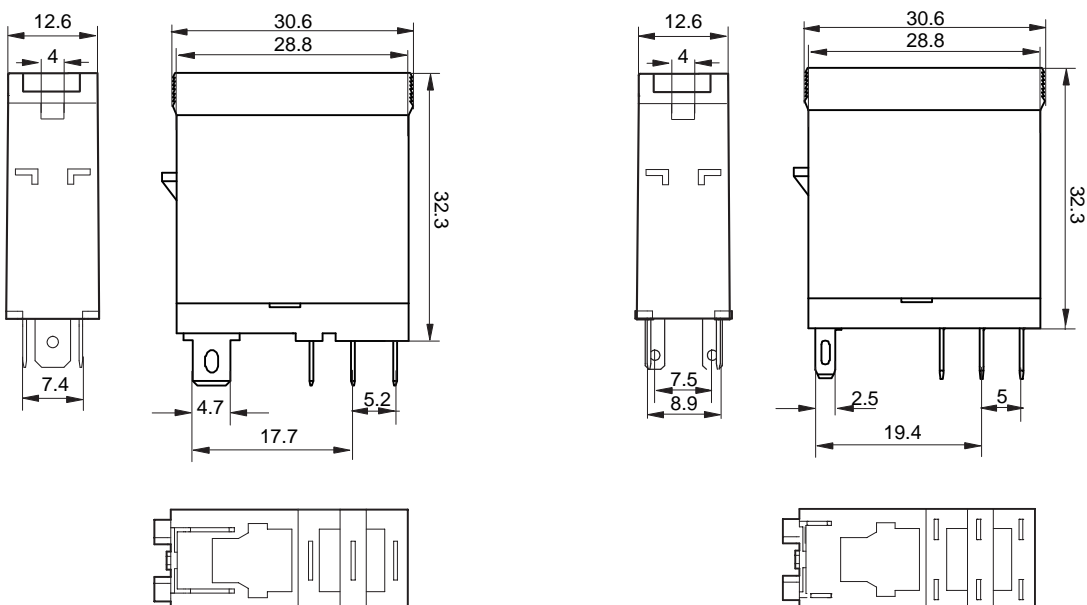
Characteristics of relays

Dimension(mm)

CR15



CR15T



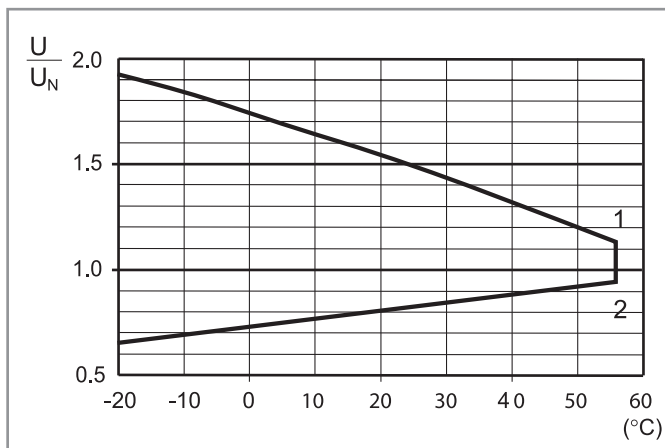
Characteristics of relays

Coil Information (20°C)

Rated voltage (VDC)	Pick-up voltage (VDC)	Permitted coil voltage (VDC)	Drop-out voltage (VDC)	Coil resistance (Ω)
6	4.8	6.6	0.6	68.0 \pm 10%
9	7.2	9.9	0.9	150.0 \pm 10%
12	9.6	13.2	1.2	270.0 \pm 10%
24	19.2	26.4	2.4	1100.0 \pm 10%
36	28.8	39.6	3.6	2440.0 \pm 10%
48	38.4	52.8	4.8	4300.0 \pm 10%
110	88.0	121.0	11.0	22800.0 \pm 10%

- DC coil are most suitable for working at rated voltage.

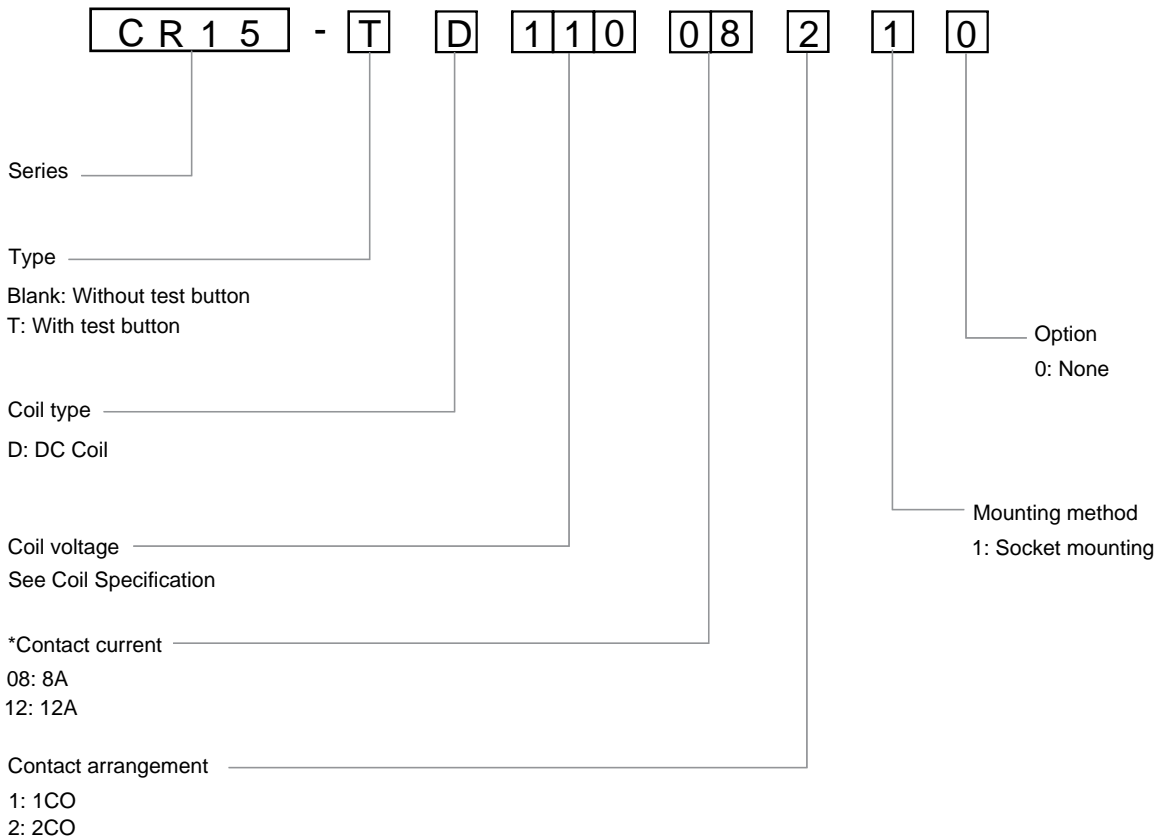
DC coil operating range contrast ambient temperature



- 1 - Max. permitted coil voltage.
- 2 - Min. pick-up voltage with coil at ambient temperature.

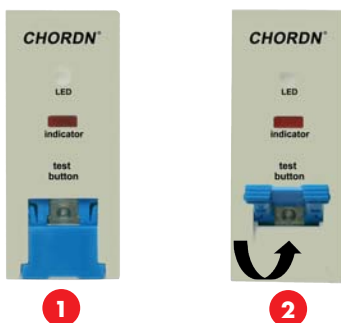


Ordering information



The choice of special functions and options can be chosen only in combination with the same

Contact arrangement	Contact current
1	12
2	08



1. The plastic nutlike parts (directly under the test button) are intact. In this case, the contact will work when the test button is pressed. When the test button is released, the contact will return to its previous state. Fracture of plastic nutlike parts (using appropriate cutting tools).

2. In this case (in addition to the above functions), when the test button is pressed and rotated, the contact will be fixed in the working state and remain in that state until the test button is turned back to its previous position. In both cases, it is necessary to ensure that the action of the test button is fast and decisive.