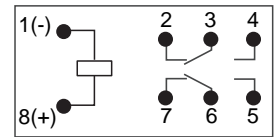
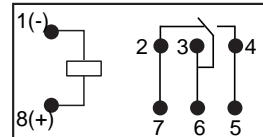
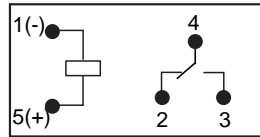




CR14 series relays

- 1CO-10A & 16A contact and 2CO-5A contact
- One pole changeover contacts and two poles changeover contacts
- Pin type termination
- PCB mounting (optional on the socket)
- DC coils
- Environmental friendly product (RoHS compliant)



Contact specification

Contact configuration	1CO (SPDT)	1CO (SPDT)	2CO (DPDT)
Rated voltage	250VAC/30VDC	250VAC/30VDC	250VAC/30VDC
Rated current	10A	16A	5A
Rated load AC-1/DC-1	2500VA/300W	4000VA/480W	1250VA/150W
Contact resistance	100mΩ	100mΩ	100mΩ
Standard contact material	AgSnO ₂	AgSnO ₂	AgSnO ₂
Mechanical life	1x10 ⁷	1x10 ⁷	1x10 ⁷
Electrical life	1x10 ⁵	1x10 ⁵	1x10 ⁵

Coil specification

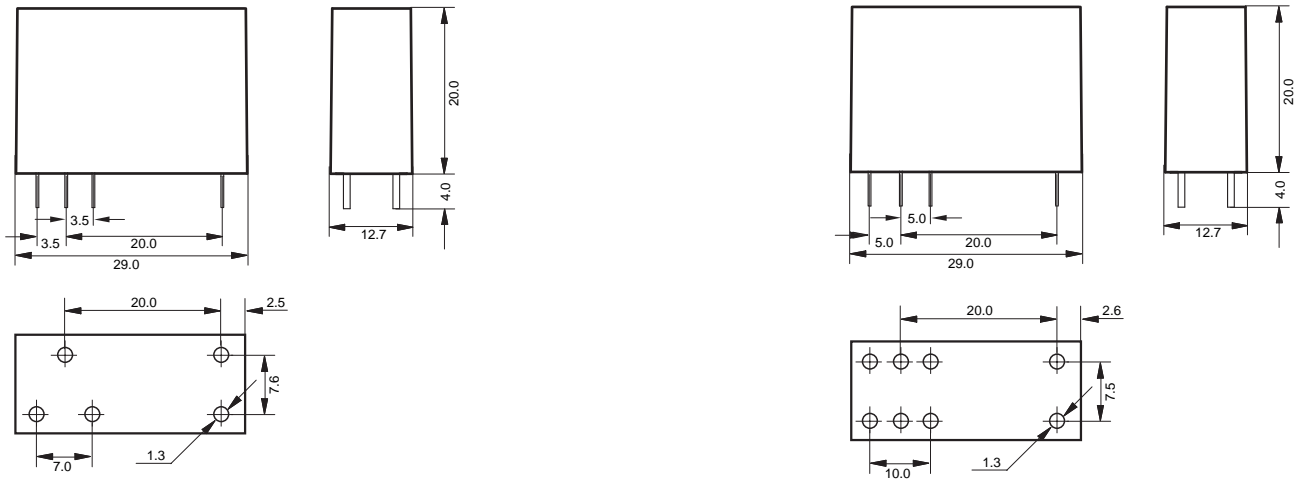
AC Rated voltage (Un) (50-60Hz)	---		
DC Rated voltage (Un)	3V - 5V - 6V - 9V - 12V - 24V - 48V - 60V - 110V		
Rated power	DC: 540mW	DC: 540mW	DC: 540mW
Pick-up voltage (DC)	0.8Un	0.8Un	0.8Un
Drop-out voltage (DC)	0.05Un	0.05Un	0.05Un

Characteristics

Insulation resistance	100MΩ (500VDC)	100MΩ (500VDC)	100MΩ (500VDC)
Dielectric Strength (Between coil and contact)	5000VAC 1Min	5000VAC 1Min	5000VAC 1Min
Dielectric Strength (Between open contacts)	1000VAC 1Min	1000VAC 1Min	1000VAC 1Min
Operate time	20ms	20ms	20ms
Release time	10ms	10ms	10ms
Shock resistance functional	100m/s ²	100m/s ²	100m/s ²
Shock resistance destructive	1000m/s ²	1000m/s ²	1000m/s ²
Vibration	10-55HZ/1mm	10-55HZ/1mm	10-55HZ/1mm
Ambient temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Ambient humidity	98%RH, +40°C	98%RH, +40°C	98%RH, +40°C
Weight	approx.14g	approx.14g	approx.14g

Characteristics of relays

Dimension(mm)



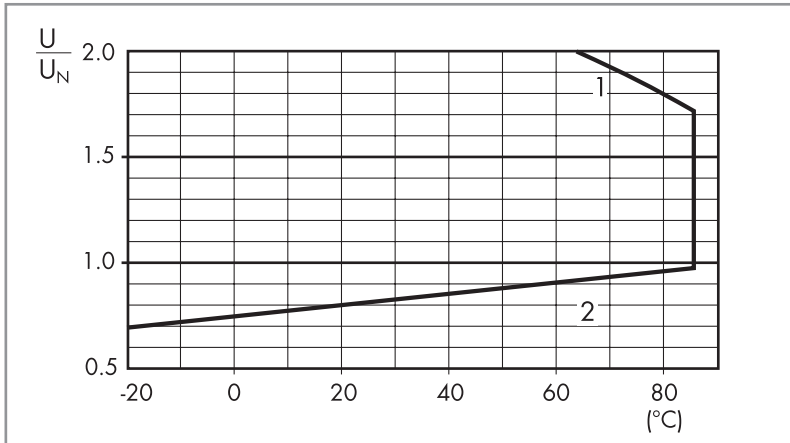
Characteristics of relays

Coil Information (20°C)

Rated voltage (VDC)	Pick-up voltage (VDC)	Permitted coil voltage (VDC)	Drop-out voltage (VDC)	Coil resistance (Ω)
3	2.4	3.9	0.15	17.0 \pm 10%
5	4.0	6.5	0.25	46.0 \pm 10%
6	4.8	7.8	0.30	67.0 \pm 10%
9	7.2	11.7	0.45	150.0 \pm 10%
12	9.6	15.6	0.60	270.0 \pm 10%
24	19.2	31.2	1.20	1050.0 \pm 10%
48	38.4	62.4	2.40	4250.0 \pm 10%
60	48.0	90.0	3.00	6670.0 \pm 10%
110	88.0	143.0	5.50	22400.0 \pm 10%

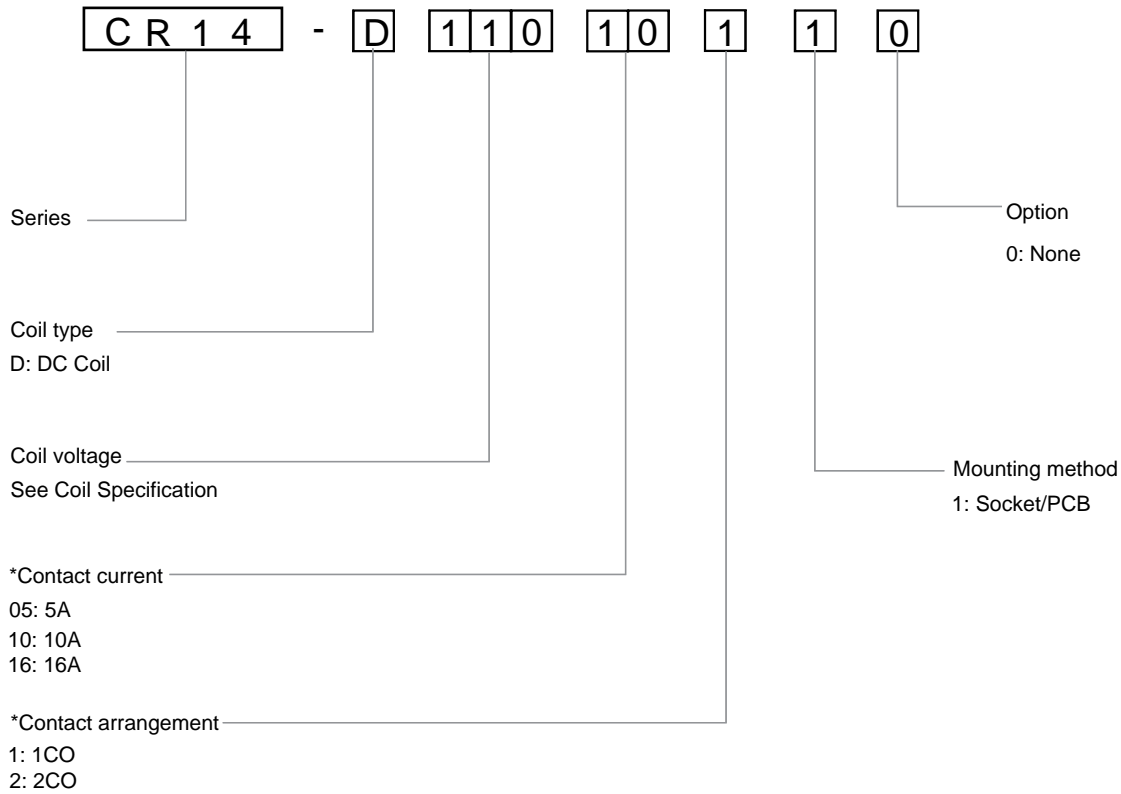
- DC coil are most suitable for working at rated voltage.

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	10, 16
2	05