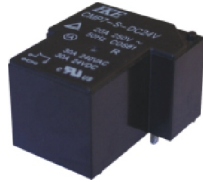


# CMP7 Relay



## 1.COIL DATA

|                     |                          |
|---------------------|--------------------------|
| 1-1.Nominal Voltage | 5,6,9,12,24,48VDC        |
| 1-2.Coil Resistance | Refer to Coil Data Chart |
| 1-3.Operate Voltage | Refer to Coil Data Chart |
| 1-4.Release Voltage | Refer to Coil Data Chart |
| 1-5.Nominal Power   | 900mW                    |

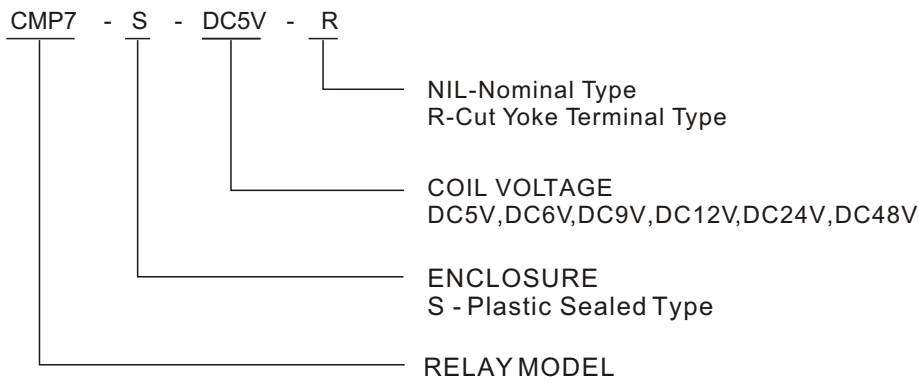
## 2.CONTACT DATA

|                           |                                                                            |
|---------------------------|----------------------------------------------------------------------------|
| 2-1.Contact Form          | A-1 Form A,B-1 Form B,C-1 Form C                                           |
| 2-2.Contact Material      | AgAlloy                                                                    |
| 2-3.Contact Rating        | A : 30A 240VAC/24VDC<br>C : NO : 20A 240VAC/24VDC<br>NC : 15A 240VAC/24VDC |
| 2-4.Max.Switching Voltage | 250VAC/24VDC                                                               |
| 2-5.Max.Switching Current | 30A                                                                        |
| 2-6.Max.Switching Power   | 7200VA,720W                                                                |
| 2-7.Min.Switching Load    | 5VDC,100mA                                                                 |
| 2-8.Contact Resistance    | Max 50m $\Omega$ .(6VDC 1A)                                                |
| 2-9. Life                 |                                                                            |
| Electrical                | 100,000 operations                                                         |
| Mechanical                | 10,000,000 operations                                                      |

## 3.GENERAL DATA

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| 3-1.Insulation Resistance | Min.1000M $\Omega$ . 500VDC                                                    |
| 3-2.Dielectric Strength   | 1,500VAC,1min between open contacts<br>2,500VAC,1min between coil and contacts |
| 3-3.Operate Time          | Max.15ms                                                                       |
| 3-4.Release Time          | Max.10ms                                                                       |
| 3-5.Operate Temperature   | -30 ~+85°C                                                                     |
| 3-6.Shock Resistance      |                                                                                |
| Endurance                 | 1,000m/s <sup>2</sup>                                                          |
| Misoperation              | 1,00m/s <sup>2</sup>                                                           |
| 3-7.Vibration Resistance  |                                                                                |
| Endurance                 | 10 -55Hz, 1.5mm double amplitude                                               |
| Misoperation              | 10 -55Hz , 1.5mm double amplitude                                              |
| 3-8.Humidity              | 35%~95%RH, +40°C                                                               |
| 3-9.Weight                | Approximately 27.0g                                                            |
| 3-10.Safety               | CQC NO.02001001303<br>VDE NO.40009646<br>TUV NO.50062740<br>UL NO.E164730      |

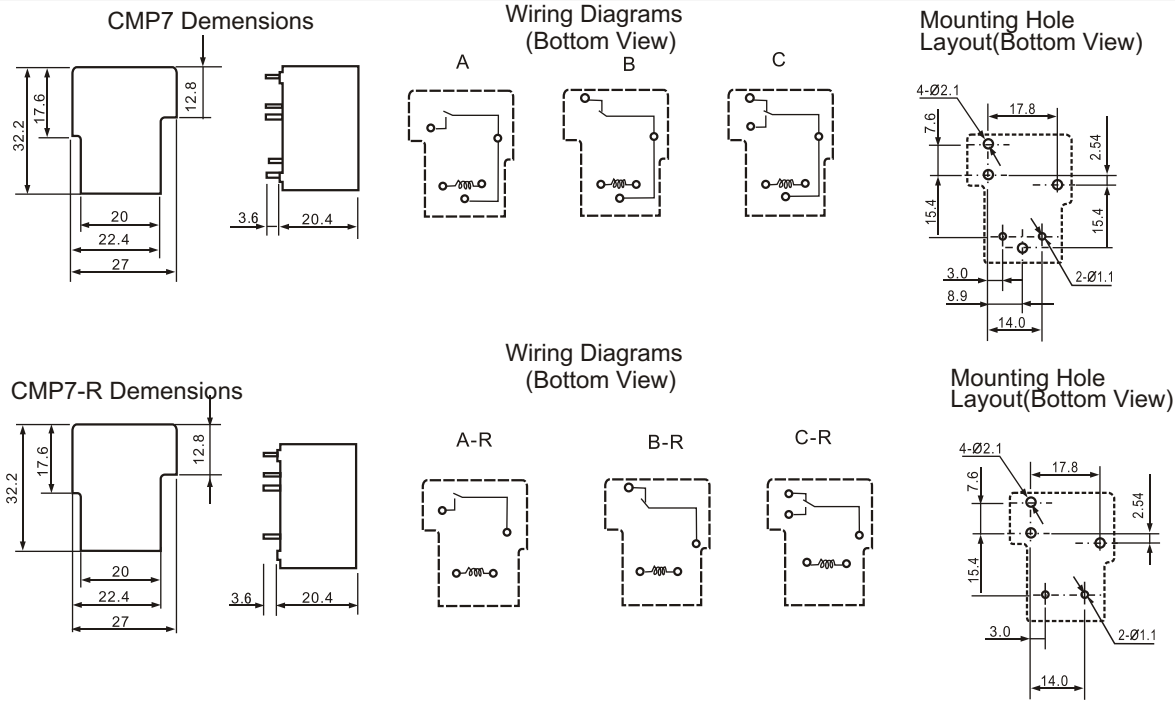
4.ORDER CODE



5.COIL DATA CHART 20 °C

| Model          | Nominal Voltage VDC | Coil Resistance $\Omega$ +/-10% | Operate Voltage $\leq$ VDC | Release Voltage $\geq$ VDC | Coil Power mW |
|----------------|---------------------|---------------------------------|----------------------------|----------------------------|---------------|
| CMP7-(S)-DC5V  | 5                   | 27.8                            | 3.5                        | 0.5                        | 900           |
| CMP7-(S)-DC6V  | 6                   | 40.0                            | 4.2                        | 0.6                        |               |
| CMP7-(S)-DC9V  | 9                   | 90.0                            | 6.3                        | 0.9                        |               |
| CMP7-(S)-DC12V | 12                  | 160                             | 8.4                        | 1.2                        |               |
| CMP7-(S)-DC24V | 24                  | 640                             | 16.8                       | 2.4                        |               |
| CMP7-(S)-DC48V | 48                  | 2560                            | 33.6                       | 4.8                        |               |

6.DIMENSIONS ( mm )



7.CMP7 CHARACTERISTIC CHART DATA

