

CMA2 Relay



1.COIL DATA

1-1.Nominal Voltage	3 ~ 24VDC
1-2.Coil Restistance	Refer to CoilData Chart
1-3.Operate Voltage	Refer to CoilData Chart
1-4.Release Voltage	Refer to CoilData Chart
1-5.Coil Power	1100mW

2.CONTACT DATA

2-1.Contact Form	C-1 form C, A-1 form A, U-2 form U, W-2 form2, V-2 form V
2-2.Contact Material	Ag Ni ,AgSnOInO
2-3.Contact Rating	Refer to Table1
2-4.Max.Switching Voltage	75VDC
2-5.Max.Switching Current	20A
2-6.Max.Switching Power	280W
2-7.Max.Load Current (14VDC Load Voltage)	

Table 1

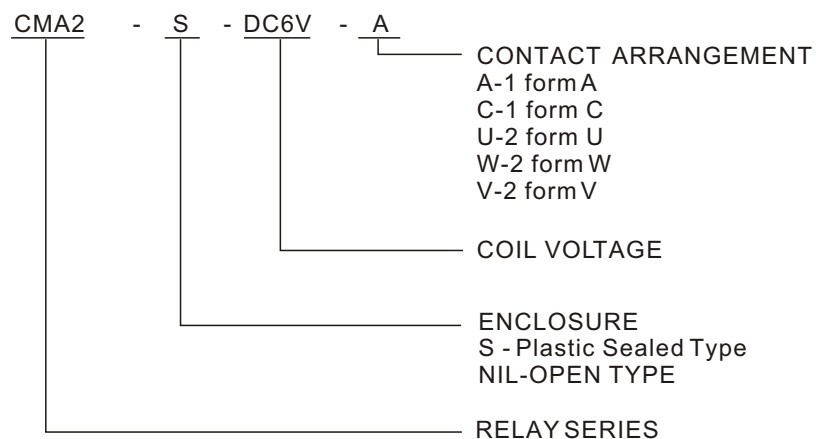
Load	A	C		W		U	V
		NO	NC	NO	NC		
Max.Carry Current	15A	15A	10A	2x7A	2x5A	2x10A	2x7A
Max.Make Current	60A	60A	12A	2x30A	2x5A	2x40A	2x8A
Max.Break Current	20A	20A	10A	2x15A	2x5A	2x20A	2x7A

2-8.Contact Resistance	≤100mΩ (6VDC 1A)
2-9.Life	
Electrical	100,000 operations
Mechanical	10,000,000 operations

3.GENERAL DATA

3-1.Insulation Resistance	Min.100MΩ 500VDC
3-2.Dielectric Strength	500VAC,1min between open contacts 1000VAC,1min between coil and contacts
3-3.Operate Time	Max.3ms
3-4.Release Time	Max.1.5ms
3-5.Operate Temperature	-40 ~ +85°C
3-6.Shock Resistance	
Endurance	1,000m/s ²
Misoperation	100m/s ²
3-7.Vibration Resistance	
Endurance	10 -55Hz, double amplitude 1.5mm
Misoperation	10 -55Hz ,double amplitude 1.5mm
3-8.Weight	Approximately 12.0g Approximately 8.0g (open)

4. ORDER CODE

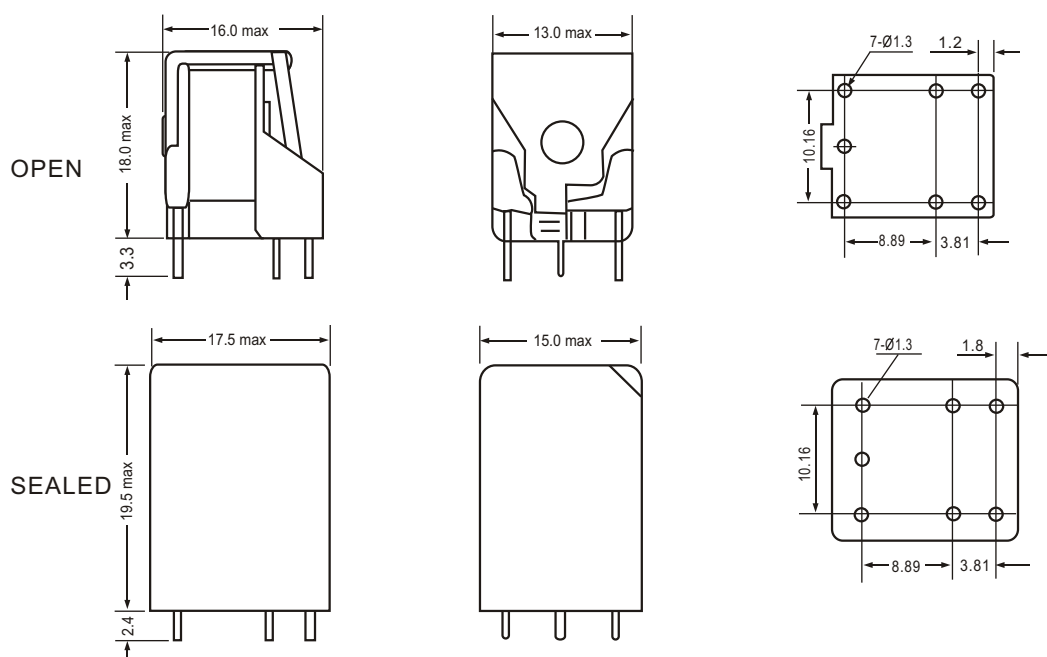


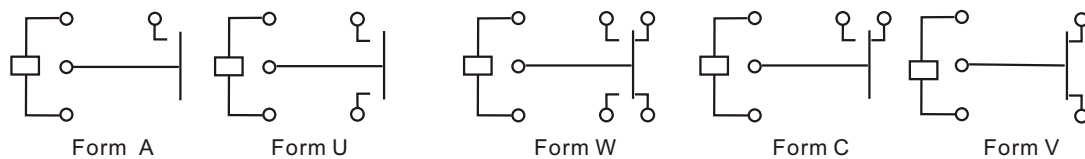
5.COIL DATA CHART

20 °C

Model	Nominal Voltage VDC	Coil Resistance Ω $\pm 10\%$	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power mW
CMA2-(S)-DC3V	3	8.2	2.1	0.3	1100
CMA2-(S)-DC5V	5	22.7	3.5	0.5	
CMA2-(S)-DC6V	6	32.7	4.2	0.6	
CMA2-(S)-DC9V	9	73.6	6.3	0.9	
CMA2-(S)-DC12V	12	130.9	8.4	1.2	
CMA2-(S)-DC24V	24	523.6	16.8	2.4	

6.DIMENSIONS (mm)





7. CMA2 CHARACTERISTIC CHART DATA

