

CMA1 Relay



1.COIL DATA

1-1.Nominal Voltage	6,12,24VDC
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	360mW、 800mW

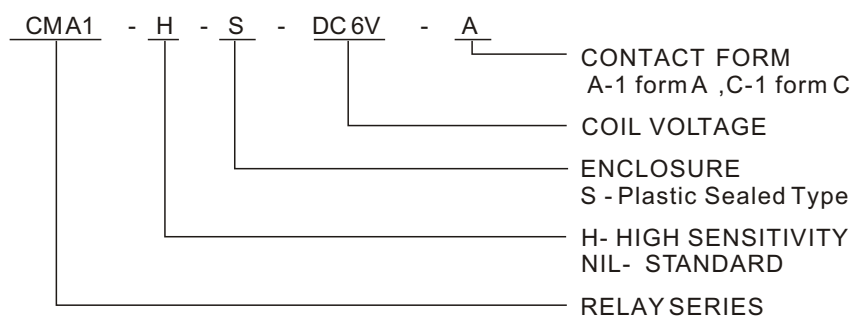
2.CONTACT DATA

2-1.Contact Form	A-1 form A, C-1 form C
2-2.Contact Material	Ag Alloy
2-3.Contact Rating	15A 14VDC Resistive (C-1 form C) 20A 14VDC Resistive (A-1 formA)
2-4.Max.Switching Voltage	75VDC
2-5.Max.Switching Current	20A
2-6.Max.Switching Power	280W
2-7.Contact Resistance	$\leq 100m\Omega$ (6VDC 1A)
2-8.Life	
Electrical	100,000 operations at nominal load
Mechanical	10,000,000 operations

3.GENERAL DATA

3-1.Insulation Resistance	Min.1000M Ω . 500VDC
3-2.Dielectric Strength	750VAC,1min between open contacts 1,500VAC,1min between coil and contacts
3-3.Operate Time	Max.15ms
3-4.Release Time	Max.10ms
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	Approximately10.0g

4. ORDER CODE

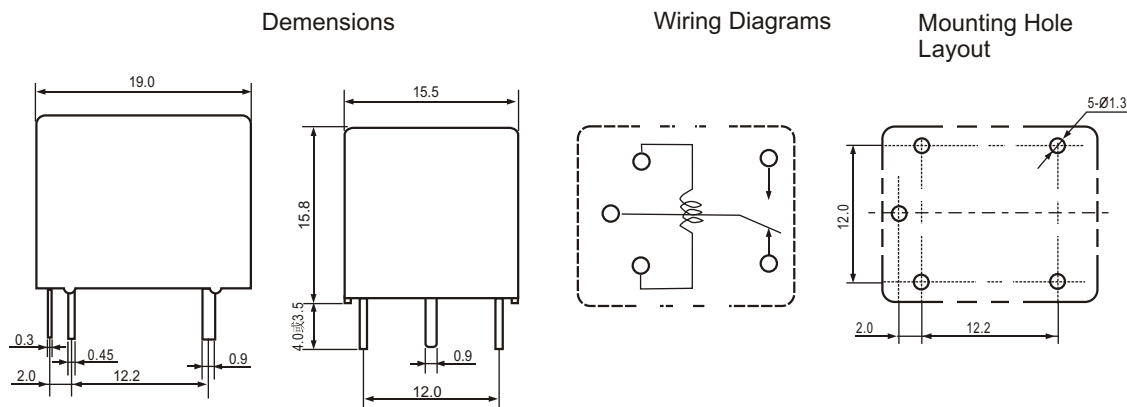


5.COIL DATA CHART

20°C

Model	Nominal Voltage VDC	Coil Resistance Ω $\pm 10\%$	Operate Voltage $\leq$ VDC	Release Voltage $\geq$ VDC	Coil Power mW
CMA1-(S)- DC6V	6	45	3.6	0.60	800
CMA1-(S)-DC12V	12	180	7.2	1.20	
CMA1-(S)-DC24V	24	720	14.4	2.40	
CMA1H-(S)-DC12V	12	400	7.2	1.20	360
CMA1H-(S)-DC24V	24	1600	14.4	2.40	

6.DIMENSIONS (mm)



7.CMA1 CHARACTERISTIC CHART DATA

