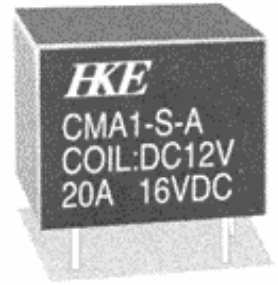


CMA1 Relay



CMA1 Relay

1.COIL DATA

1-1.Nominal Voltage	3 VDC to 24 VDC
1-2.Coil Resistance	Refer to Table 1
1-3.Operate Voltage	Refer to Table 1
1-4.Release Voltage	Refer to Table 1
1-5.Nominal Power Consumption	800 mW

2.CONTACT DATA

2-1.Contact Arrangement	1 Form C , 1 Form A
2-2.Contact Material	AgSnO ₂
2-3.Contact Rating	15A 16VDC Resistive (1 Form C) 20A 16VDC Resistive (1 Form A)
2-4.Max. Switching Voltage	75 VDC
2-5.Max. Switching Current	20A
2-6.Max. Switching Power	160W (1 Form C) 320W (1 Form A)

2-7.Max. Load Current (14VDC Load Voltage)

Load	Form A	Form C	
		NO	NC
Max.Carry Current	15A	15A	10A
Max.Make Current	50A	50A	15A
Max.Break Current	15A	15A	10A

2-8.Contact Resistance (Initial)

50 mΩ at 6VDC 1A

2-9.Life Expectancy

Electrical

100,000 operations at nominal load

Mechanical

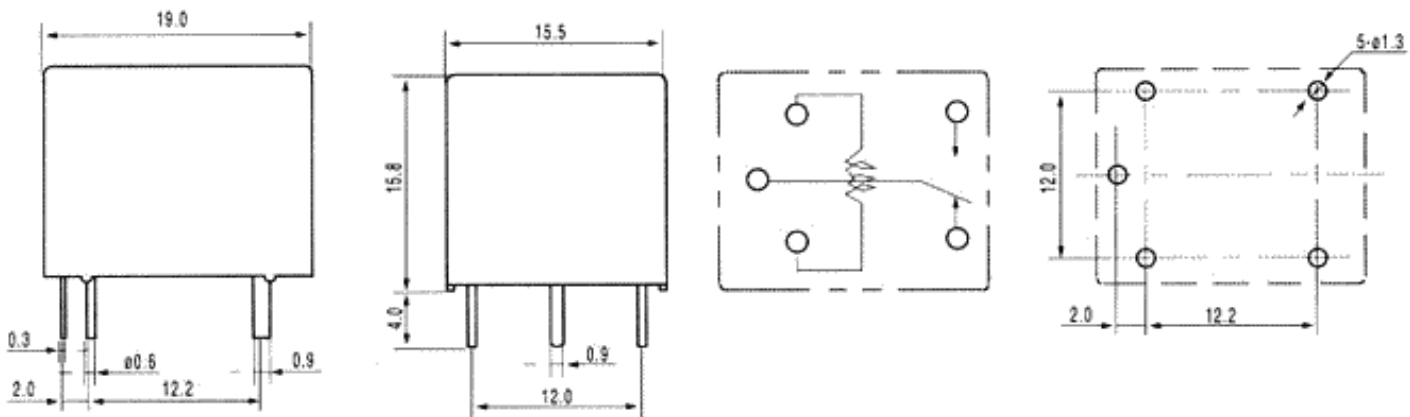
200,000 operations at 14VDC resistive load

10,000,000 operations

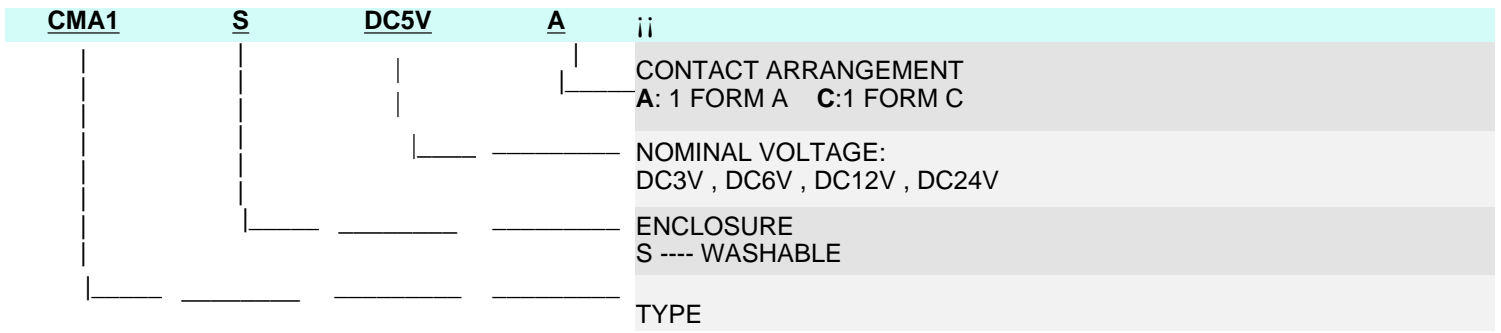
3.GENERAL DATA

3-1.Insulation Resistance	Min.100MΩ at 500 VDC
3-2.Dielectric Strength	750VAC , 1min between open contacts 1,500VAC , 1min between contacts and coil
3-3.Operate Time	Max. 10ms
3-4.Release Time	Max. 5ms
3-5.Temperature Range	-40 to +70 °C
3-6.Shock Resistance	10G
3-7.Vibration Resistance	10 - 55 Hz , Amplitude 1.5mm
3-8.Weight	12 gr.
3-9.Safety Standard	

4.DIMENSIONS (in mm)



5.ORDERING CODE



6.COIL DATA CHART

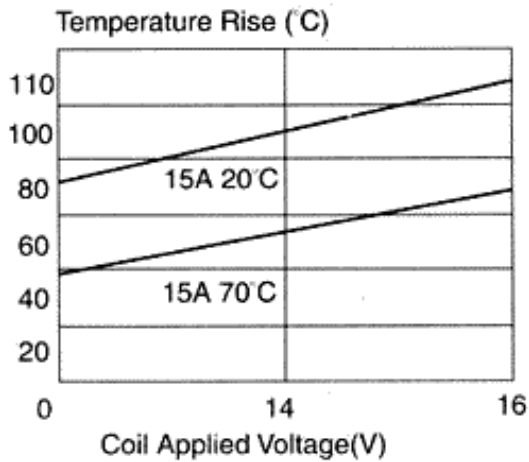
at 20°C

ORDERING CODE	COIL NOMINAL VDC	COIL RESISTANCE Ω, +/- 10%	OPERATE VOLTAGE VDC	RELEASE VOLTAGE VDC	COIL NOMINAL mW
CMA1-S DC3V	3	11.2	1.8	0.30	800
CMA1-S DC6V	6	120	3.6	0.60	
CMA1-S DC12V	12	180	7.2	1.20	
CMA1-S DC24V	24	720	14.4	2.40	

Table 1

7.CMA1 CHARACTERISTIC DATA

Temperature Rise



Maximum Switching Power

