

HCP1 Relay



1.COIL DATA

1-1.Nominal Voltage	5,6,12,24,48VDC
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	400mW

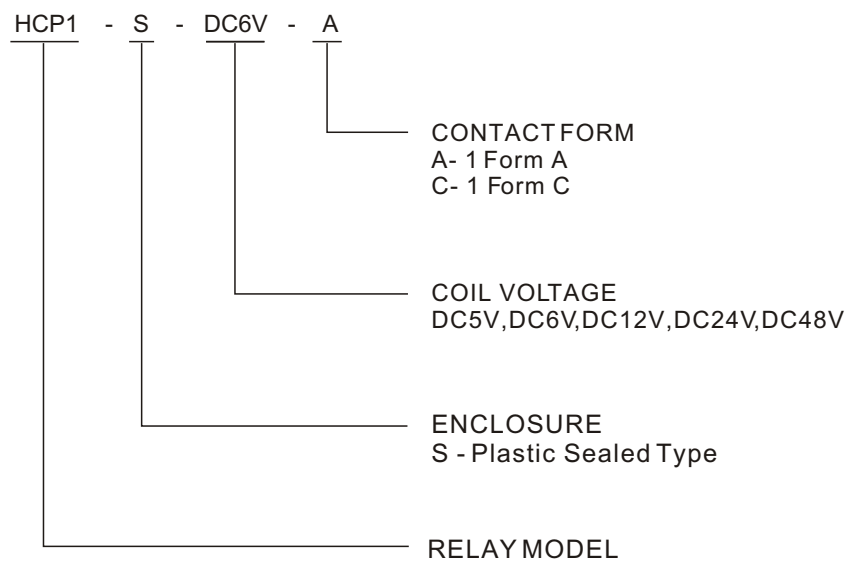
2.CONTACT DATA

2-1.Contact Form	A-1 Form A,C- 1 Form C
2-2.Contact Material	AgAlloy
2-3.Contact Rating	Resistive: 12A 250VAC/30VDC Inductive: 5A 250VAC Cos ϕ =0.4
2-4.Max.Switching Voltage	380VAC/30VDC
2-5.Max.Switching Current	12A
2-6.Max.Switching Power	3000VA,360W
2-7.Min.Switching Load	5VDC,100mA
2-8.Contact Resistance	Max 50m Ω .(6VDC 1A)
2-9. Life	
Electrical	100,000 operations
Mechanical	50,000operations (Inductive:Cos ϕ =0.4,L/R=7ms) 20,000,000 operations

3.GENERAL DATA

3-1.Insulation Resistance	Min.100M Ω . 500VDC
3-2.Dielectric Strength	1,000VAC,1min between open contacts 5,000VAC,1min between coil and contacts
3-3.Operate Time	Max.10ms
3-4.Release Time	Max.5ms
3-5.Operate Temperature	-40 ~+85°C
3-6.Shock Resistance	
Endurance	1,000m/s ²
Misoperation	1,00m/s ²
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 13.0g
3-10.Safety	

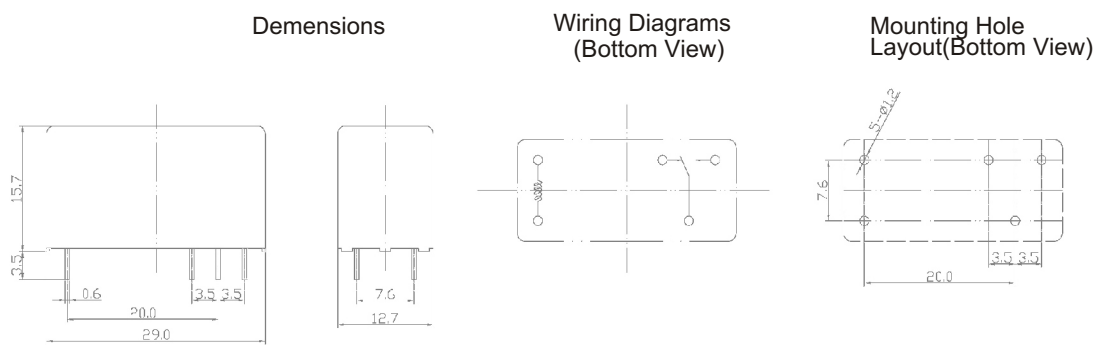
4.ORDER CODE



5.COIL DATA CHART 20 °C

Model	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power mW
HCP1-(S)-DC5V	5	62.5	3.8	0.5	400
HCP1-(S)-DC6V	6	90.0	4.5	0.6	
HCP1-(S)-DC12V	12	360	9.0	1.2	
HCP1-(S)-DC24V	24	1440	18.0	2.4	
HCP1-(S)-DC48V	48	5760	36.0	4.8	

6.DIMENSIONS (mm)



7.HCP1 CHARACTERISTIC CHART DATA

