

HRS1KH3 Relay

1.COIL DATA

1-1.Nominal Voltage	3,5,6,9,12,24VDC
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	200mW

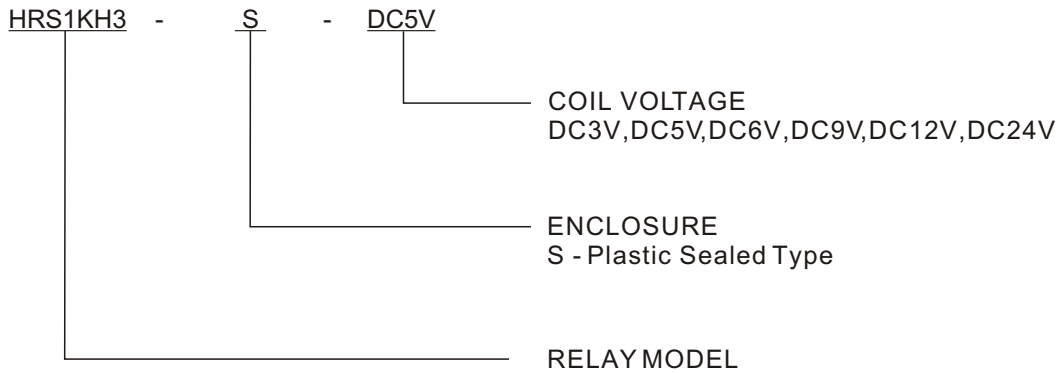
2.CONTACT DATA

2-1.Contact Form	A-1 Form A
2-2.Contact Material	Ag Alloy
2-3.Contact Rating(Resistive)	3A 220VAC/30VDC
2-4.Max.Switching Voltage	220VAC/30VDC
2-5.Max.Switching Current	3A
2-6.Max.Switching Power	660VA,90W
2-7.Min.Switching Load	5VDC,100mA
2-8.Contact Resistance	Max 50m Ω (6VDC 1A)
2-9.Life	
Electrical	100,000 operations
Mechanical	10,000,000 operations

3.GENERAL DATA

3-1.Insulation Resistance	Min.100M Ω . 500VDC
3-2.Dielectric Strength	
	750VAC,1min between open contacts
	1,000VAC,1min between coil and contacts
3-3.Operate Time	Max.6ms
3-4.Release Time	Max.5ms
3-5.Operate Temperature	-25 \sim +70 $^{\circ}$ C
3-6.Shock Resistance	
Endurance	1,000m/s ²
Misoperation	100m/s ²
3-7.Vibration Resistance	
Endurance	10 \sim 55Hz,1.5mm double amplitude
Misoperation	10 \sim 55Hz,1.5mm double amplitude
3-8.Humidity	35% \sim 95%RH,+40 $^{\circ}$ C
3-9.Weight	Approximately 4g
3-10.Safety	UL NO.E164730 CSA NO.1426410 CQC NO.02001001301

4.ORDER CODE

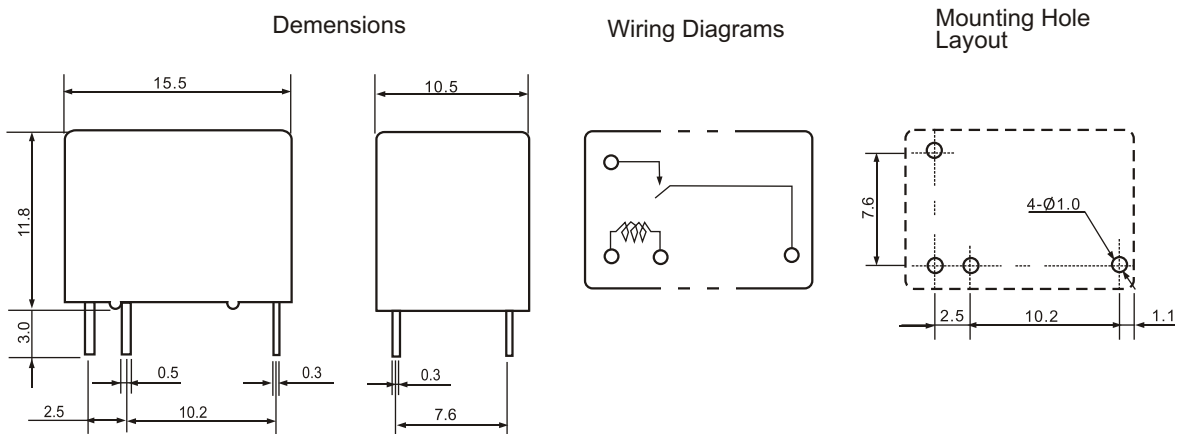


5.COIL DATA CHART

20°C

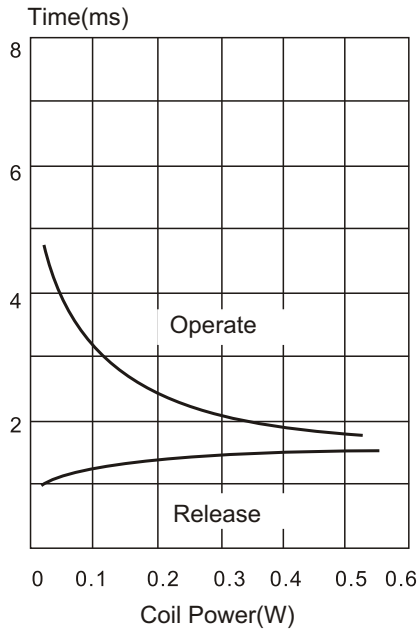
Model	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power mW
HRS1KH3-(S)-DC3V	3	45	2.1	0.30	200
HRS1KH3-(S)-DC5V	5	125	3.5	0.50	
HRS1KH3-(S)-DC6V	6	180	4.2	0.60	
HRS1KH3-(S)-DC9V	9	405	6.3	0.90	
HRS1KH3-(S)-DC12V	12	720	8.4	1.20	
HRS1KH3-(S)-DC24V	24	2880	16.8	2.40	

6.DIMENSIONS (mm)

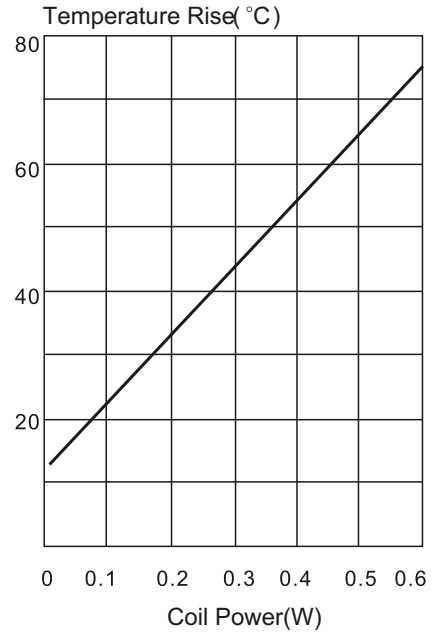


7.HRS2 CHARACTERISTIC CHART DATA

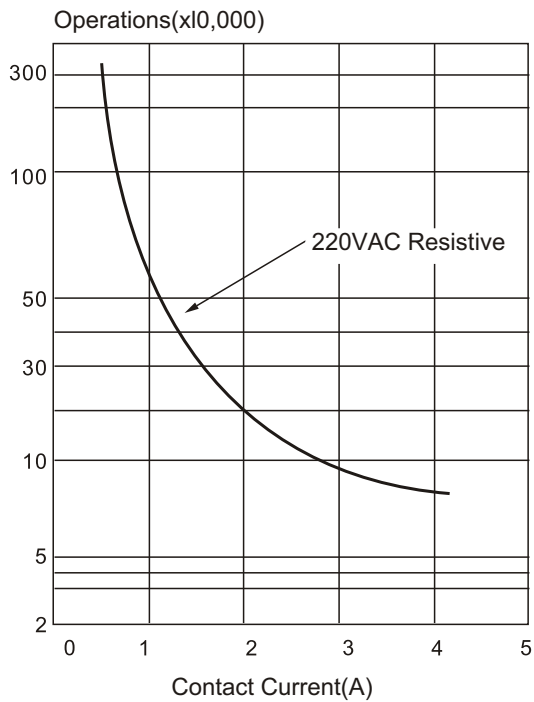
Timing



Coil Temperature Rise



Life Curves



Max. Switching Power

