

HRS1KH3 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	200 mW

2.CONTACT DATA

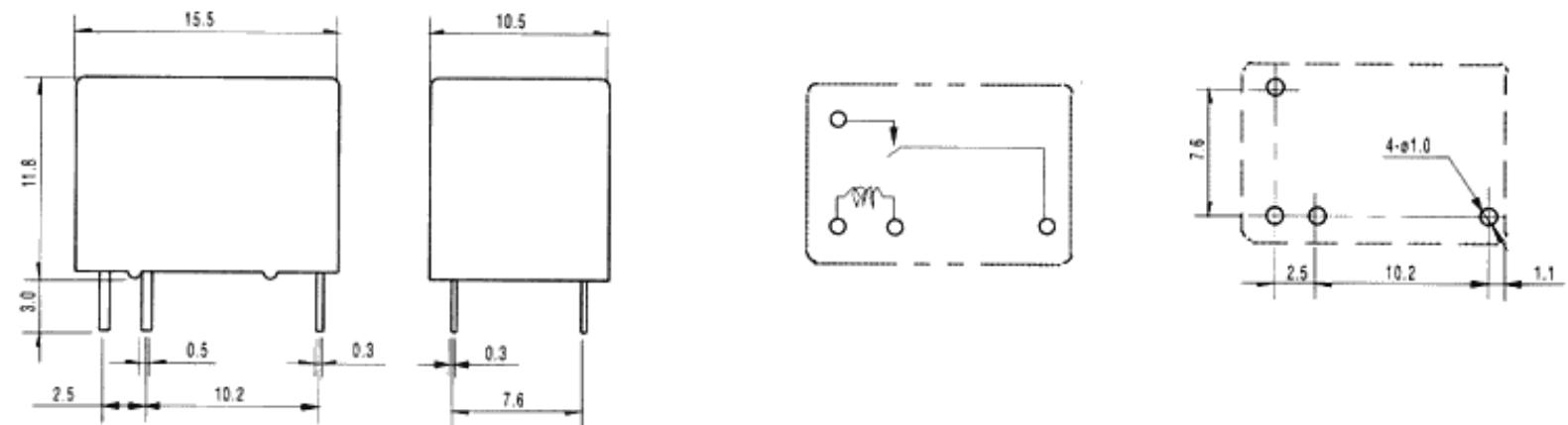
2-1.Contact Arrangement	1 Form A
2-2.Contact Material	AgCdo
2-3.Contact Rating	3A 30VDC / 220 VAC
2-4.Max. Switching Voltage	30 VDC / 220 VAC
2-5.Max. Switching Current	3A
2-6.Max. Switching Power	660 VA , 90W
2-7.Contact Resistance (Initial)	100 mΩ , at 6 VDC 1A
2-8.Life Expectancy	Electrical 100,000 operations at nominal load Mechanical 10,000,000 operations



3.GENERAL DATA

3-1.Insulation Resistance	Min.100MΩ, at 500 VDC
3-2.Dielectric Strength	1,000VAC , 1min between open contacts 1,500VAC , 1min between contacts and coil
3-3.Operate Time	Max. 6ms
3-4.Release Time	Max. 5ms
3-5.Temperature Range	-25 to +55 ºæ
3-6.Shock Resistance	10G
3-7.Vibration Resistance	10 - 55 Hz , Amplitude 1.5mm
3-8.Weight	4 gr.
3-9.Safety Standard	UL NO. E164730

4.DIMENSIONS (in mm)



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5.ORDERING CODE

HRS1KH3	S	DC 5V	iii
			ii NOMINAL VOLTAGE: DC3V , DC5V , DC6V , DC9V , DC12V , DC24V
			ii ENCLOSURE S ---- WASHABLE
			ii TYPE

6.COIL DATA CHART

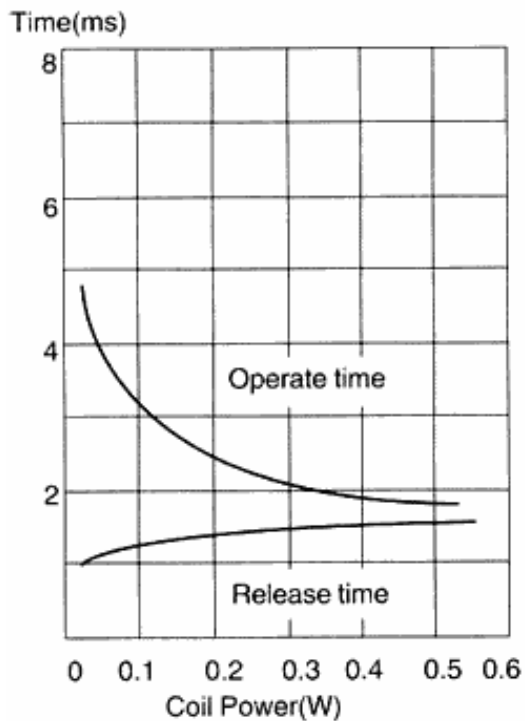
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ORDERING CODE	COIL NOMINAL VDC	COIL RESISTANCE Ω, +/- 10%	OPERATE VOLTAGE VDC	RELEASE VOLTAGE VDC	COIL NOMINAL mW
HRS1KH3-S DC3V	3	45	2.25	0.30	200
HRS1KH3-S DC5V	5	120	3.75	0.50	
HRS1KH3-S DC6V	6	180	4.50	0.60	
HRS1KH3-S DC9V	9	400	6.75	0.90	
HRS1KH3-S DC12V	12	700	9.00	1.20	
HRS1KH3-S DC24V	24	2800	18.00	2.40	

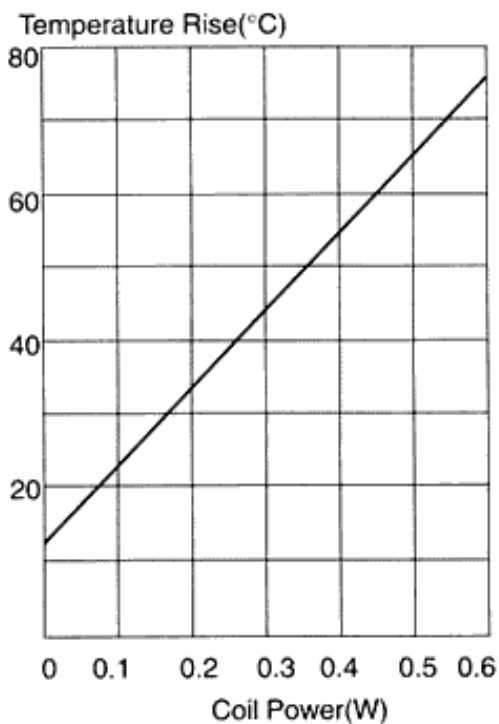
Table 1

7.HRS1KH3 CHARACTERISTIC DATA

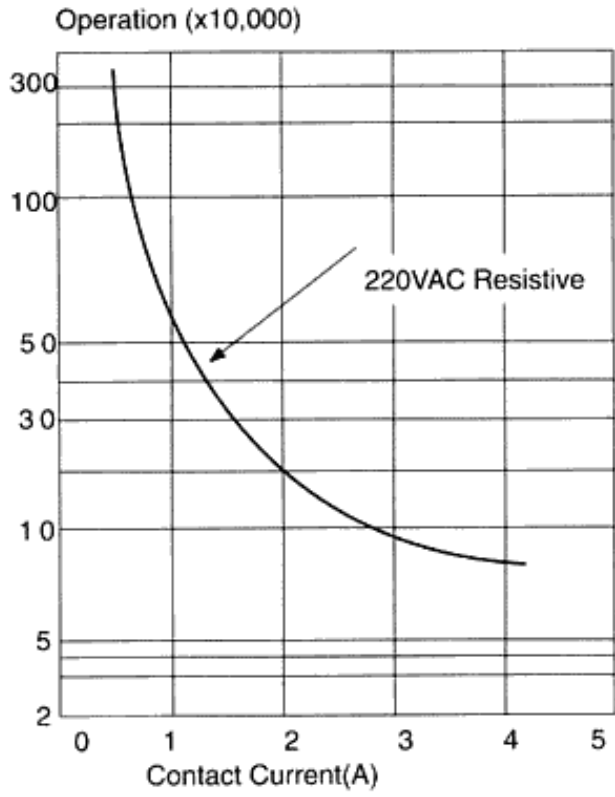
Timing



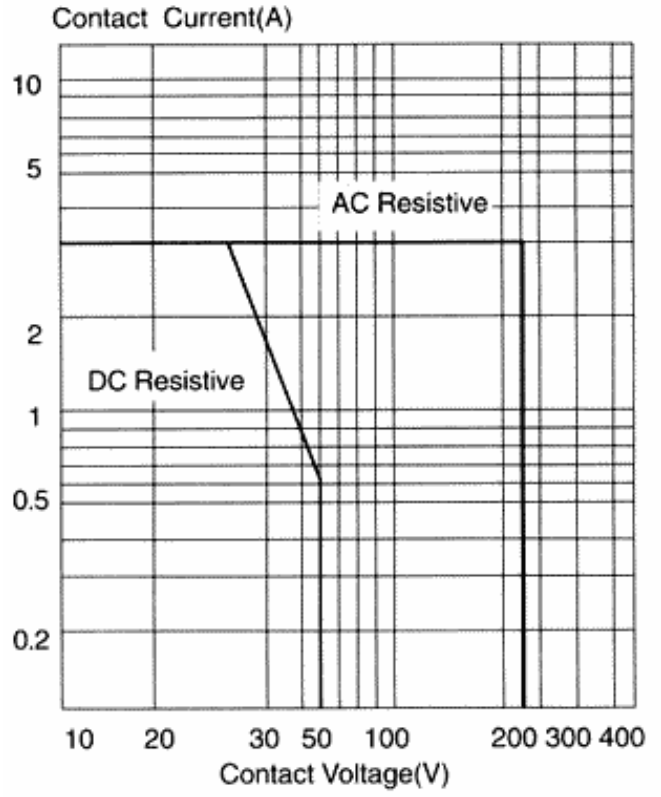
Coil Temperature Rise



Life Curve



Maximum Switching Power



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