

HRS3(H) 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 to 450 mW



HRS3(H) Relay

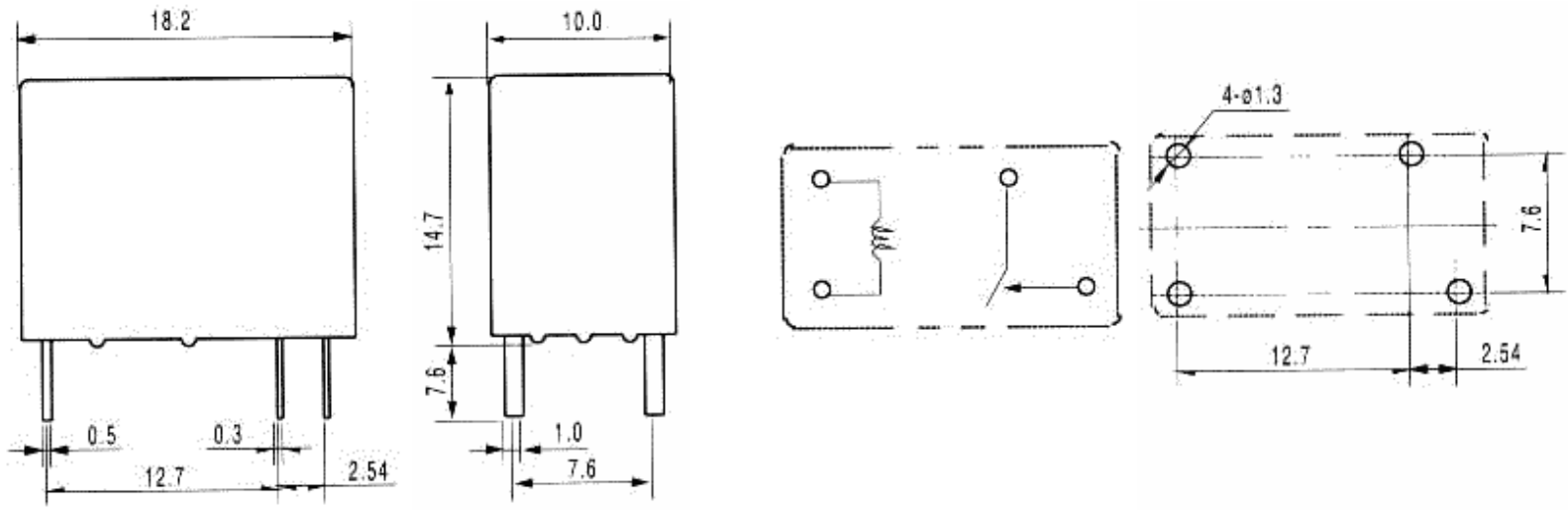
2.CONTACT DATA

2-1.Contact Arrangement	1 Form A
2-2.Contact Material	Ag Alloy
2-3.Contact Rating	10A 120VAC / 28 VDC
2-4.Max. Switching Voltage	30 VDC / 265 VAC
2-5.Max. Switching Current	10A
2-6.Max. Switching Power	1200 VA , 280W
2-7.Contact Resistance (Initial)	50 mΩ, at 6 VDC 1A
2-8.Life Expectancy	Electrical Mechanical
	100,000 operations at nominal 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 4,000VAC , 1min between contacts and coil
3-3.Operate Time	Max. 10ms
3-4.Release Time	Max. 4ms
3-5.Temperature Range	-30 to +55 ºC
3-6.Shock Resistance	10G
3-7.Vibration Resistance	10 - 55 Hz , Amplitude 1.5mm
3-8.Weight	9 gr.
3-9.Safety Standard	UL NO. E164730

4.DIMENSIONS (in mm)



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5.ORDERING CODE

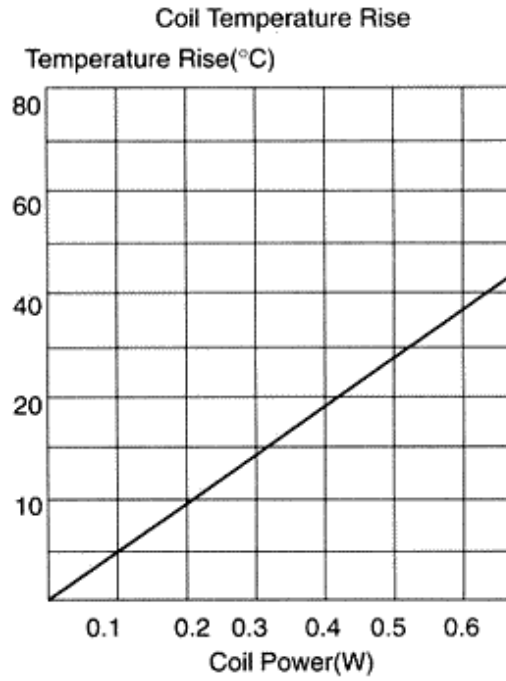
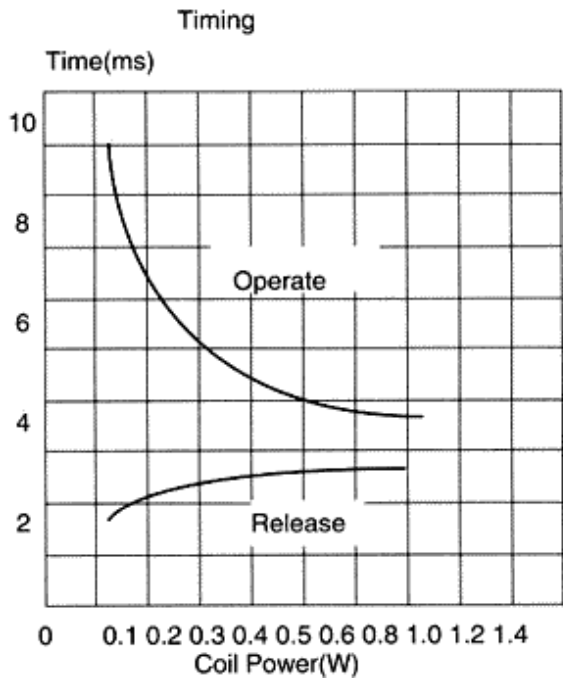
HRS3	H-	S	DC 3V	ii ii	
				ii	NOMINAL VOLTAGE: DC3V , DC5V , DC6V , DC9V , DC12V , DC24V , DC48V
				ii	ENCLOSURE S ---- WASHABLE
				ii	COIL ii ---- STANDARD TYPE H ----- HIGH SENSITIVE TYPE

6.COIL DATA CHART

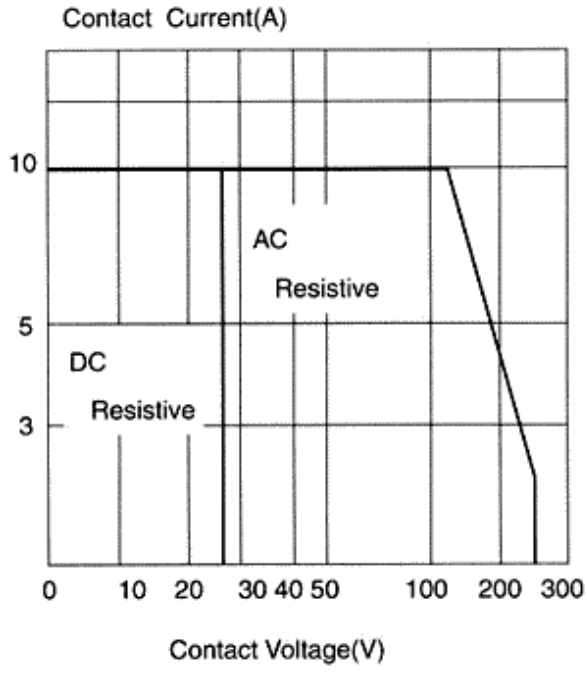
ORDERING CODE	COIL NOMINAL VDC	COIL RESISTANCE Ω , +/- 10%	OPERATE VOLTAGE VDC	RELEASE VOLTAGE VDC	COIL NOMINAL mW
HRS3-S DC3V	3	20	2.25	0.15	450
HRS3-S DC5V	5	55	3.75	0.25	
HRS3-S DC6V	6	80	4.55	0.30	
HRS3-S DC9V	9	180	6.75	0.45	
HRS3-S DC12V	12	320	9.10	0.60	
HRS3-S DC24V	24	1280	18.20	1.20	
HRS3H-S DC3V	3	45	2.25	0.15	200
HRS3H-S DC5V	5	125	3.75	0.25	
HRS3H-S DC6V	6	180	4.55	0.30	
HRS3H-S DC9V	9	400	6.75	0.45	
HRS3H-S DC12V	12	720	9.10	0.60	
HRS3H-S DC24V	24	2800	18.00	1.20	

Table 1

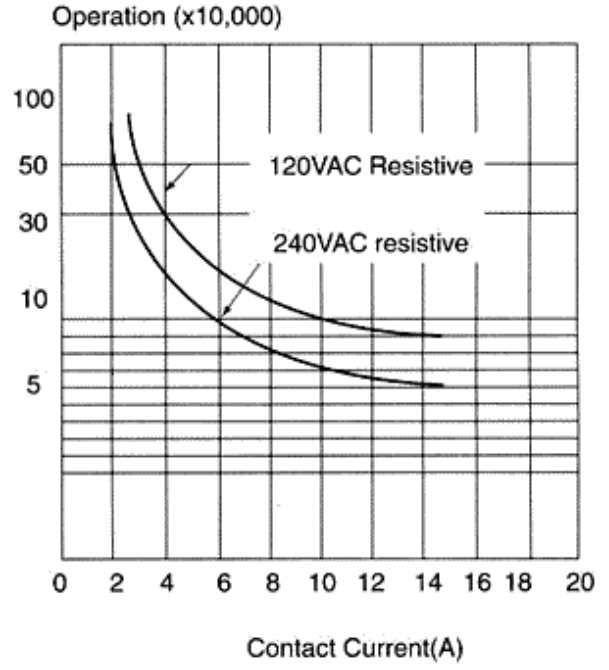
7.HRS3(H) CHARACTERISTIC DATA



Life Curve



Maximum Switching Power



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