

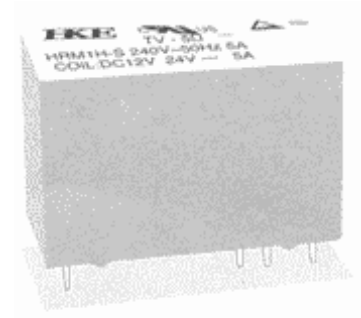
HRM1(H) Relay

1.COIL DATA

1-1.Nominal Voltage	3 VDC to 48 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	540 mW to 720 mW

2.CONTACT DATA

2-1.Contact Arrangement	2 Form C , 2 Form A
2-2.Contact Material	AgCdo
2-3.Contact Rating	Resistive Load : 5A 250VAC / 24VDC Inductive Load : 2A 250VAD COS ϕ =0.4 2A 24VDC L/R=7 ms
2-4.Max. Switching Voltage	150 VDC / 250 VAC
2-5.Max. Switching Current	5A
2-6.Max. Switching Power	1250 VA , 120W
2-7.Contact Resistance (Initial)	100 m Ω , at 6 VDC 1A 100,000 operations at nominal load TV-5 120 VAC
2-8.Life Expectancy	Electrical 20,000 operations at COS ϕ =0.4,L / R=7 Mechanical 10,000,000 operations

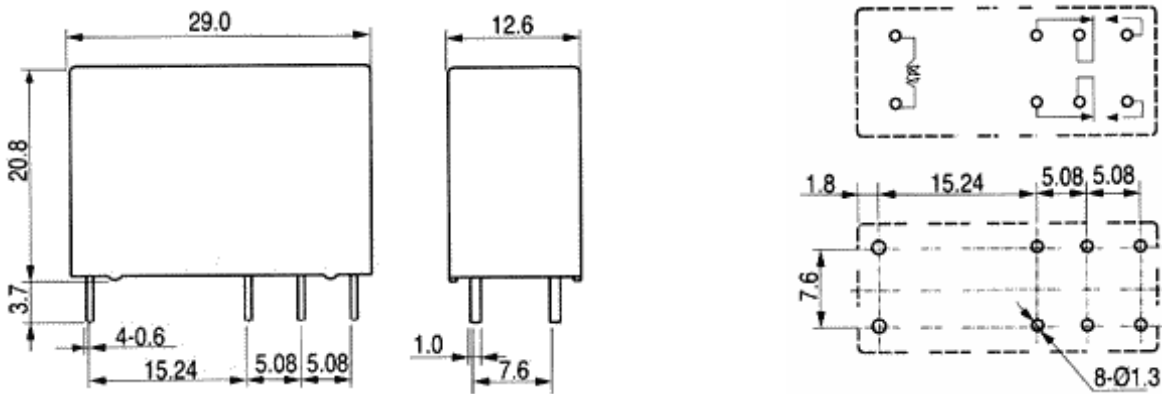


HRM1(H) Relay

3.GENERAL DATA

3-1.Insulation Resistance	Min.100M Ω , at 500 VDC
3-2.Dielectric Strength	1,000VAC , 1min between open contacts 5,000VAC , 1min between contacts and coil
3-3.Operate Time	Max. 15ms
3-4.Release Time	Max. 8ms
3-5.Temperature Range	-30 to +55 ; α (720 mW)
3-6.Shock Resistance	10G
3-7.Vibration Resistance	10 - 55 Hz , Amplitude 1.5mm
3-8.Weight	13 gr.
3-9.Safety Standard	UL NO. E164730 TUV NO.R 9859088

4.DIMENSIONS (in mm)



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5.ORDERING CODE

<u>HRM1</u>	<u>H-</u>	<u>S</u>	<u>DC 3V</u>	<u>A</u>	ii
					CONTACT ARRANGEMENT A: 2 FORM A C: 2 FORM C
					NOMINAL VOLTAGE: DC3V , DC5V , DC6V , DC12V , DC24V , DC48V

ENCLOSURE	-----
S ---- WASHABLE	-----
COIL	-----
NIL ---- STANDARD TYPE	-----
H ----- HIGH SENSITIVE TYPE	-----
TYPE	-----

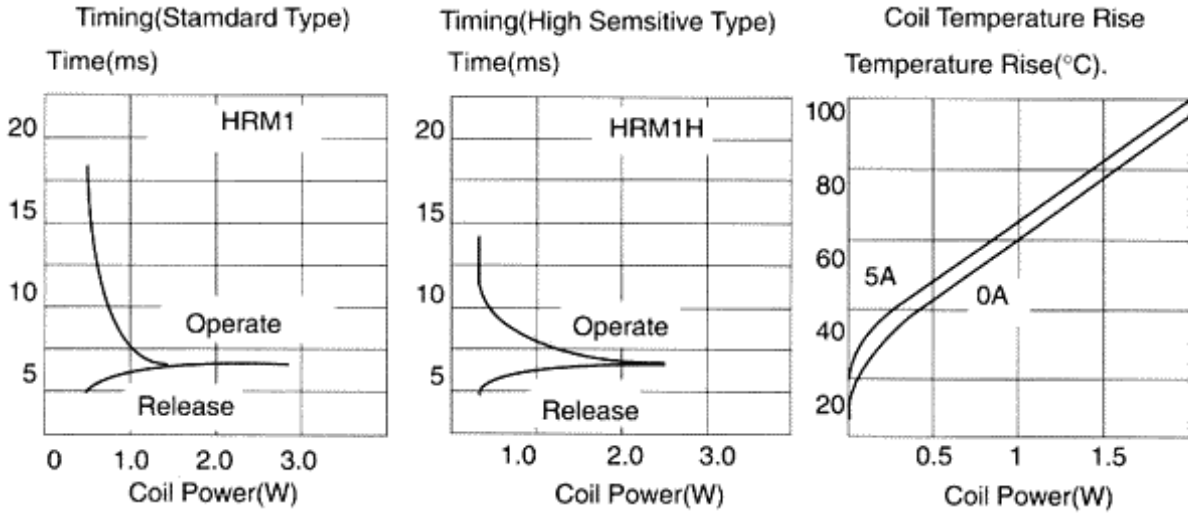
6.COIL DATA CHART

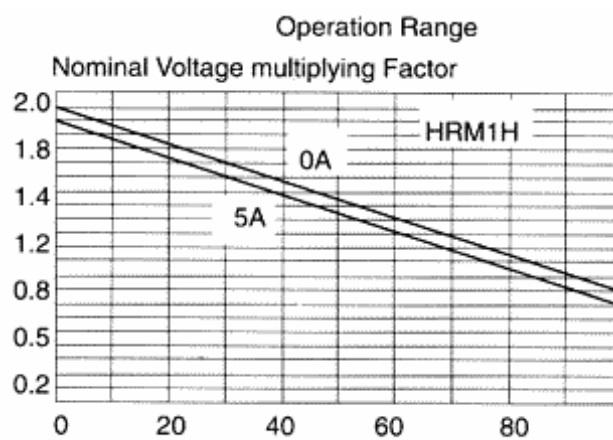
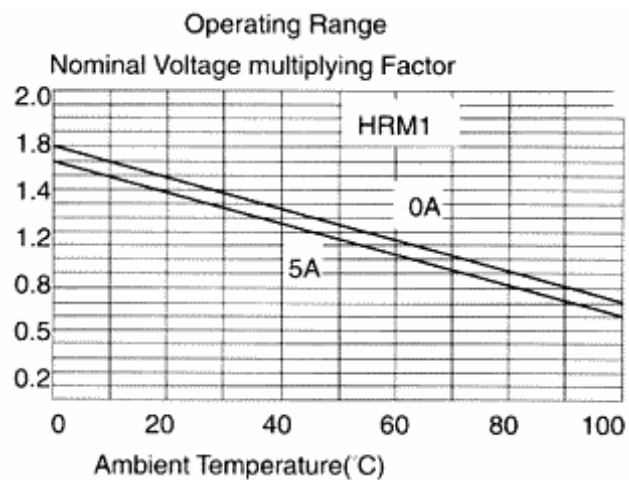
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ORDERING CODE	COIL NOMINAL VDC	COIL RESISTANCE ± 10%	OPERATE VOLTAGE VDC	RELEASE VOLTAGE VDC	COIL NOMINAL mW
HRS4-S DC3V	3	12.5	2.4	0.15	720
HRS4-S DC5V	5	36	4.0	0.25	
HRS4-S DC6V	6	50	4.8	0.30	
HRS4-S DC9V	9	115	7.2	0.45	
HRS4-S DC12V	12	200	9.6	0.6	
HRS4-S DC24V	24	820	19.2	1.20	
HRS4-S DC48V	48	3300	38.4	3.40	
HRS4H-S DC3V	3	17	2.4	0.15	540
HRS4H-S DC5V	5	50	4.0	0.25	
HRS4H-S DC6V	6	68	4.8	0.30	
HRS4H-S DC9V	9	155	7.2	0.45	
HRS4H-S DC12V	12	270	9.6	0.60	
HRS4H-S DC24V	24	1100	19.2	1.20	
HRS4H-S DC48V	48	4400	38.40	2.40	

Table 1

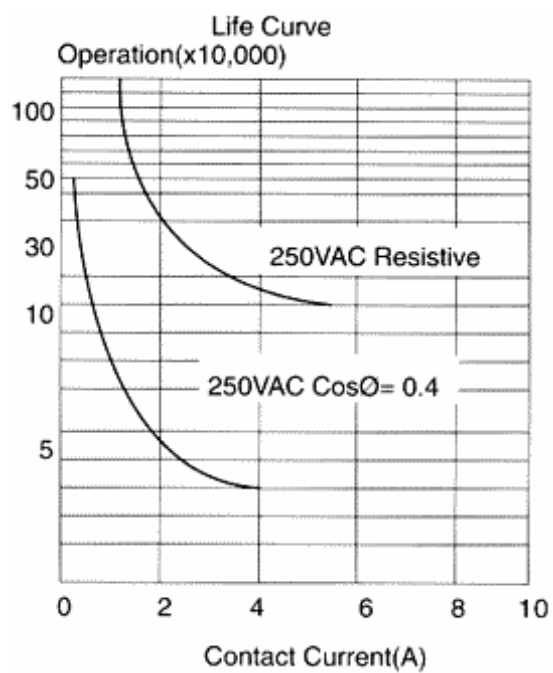
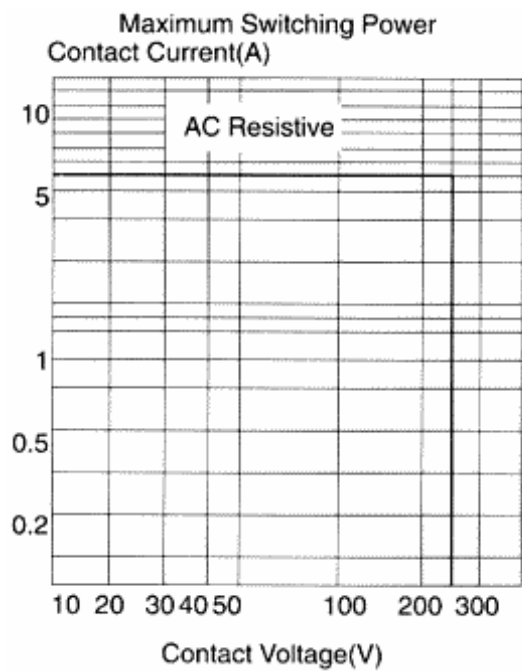
7.HRM1(H) CHARACTERISTIC DATA





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