



Features:

- Slim type with low height.
Dimension : 29 × 12.6 × 20.8 (mm).
- Contact form : 2 form C.
- Dielectric strength between coil and contact : 4KV.
- Creepage distance : 8 mm.

Part Number Explanation:

HRM1

Model



Coil Sensitivity

-

S

Enclosure

-

DC5V

Coil Voltage

-

C

Contact Form

Coil Sensitivity : Blank - Standard (720mW).
Enclosure : S-Plastic sealed type.
Coil Voltage : DC5V, DC9V, DC12V and DC24V.
Contact Form : C-2 Form C.

Specifications

Contact Data		
Contact Material		Ag Alloy
Contact Rating		Resistive : 5A 250V ac / 24V dc TV Rating : TV-5 Inductive : 5A 250V ac / 24V dc (COSØ = 0.4, L/R = 7ms)
Contact Resistance		Maximum 100mΩ (6V dc 1A)
Load	Maximum Switching Voltage	250V ac / 30V dc
	Maximum Switching Current	5A
	Maximum Switching Power	1,250VA, 120W
	Minimum Switching Load	5V dc, 100mA

Specifications

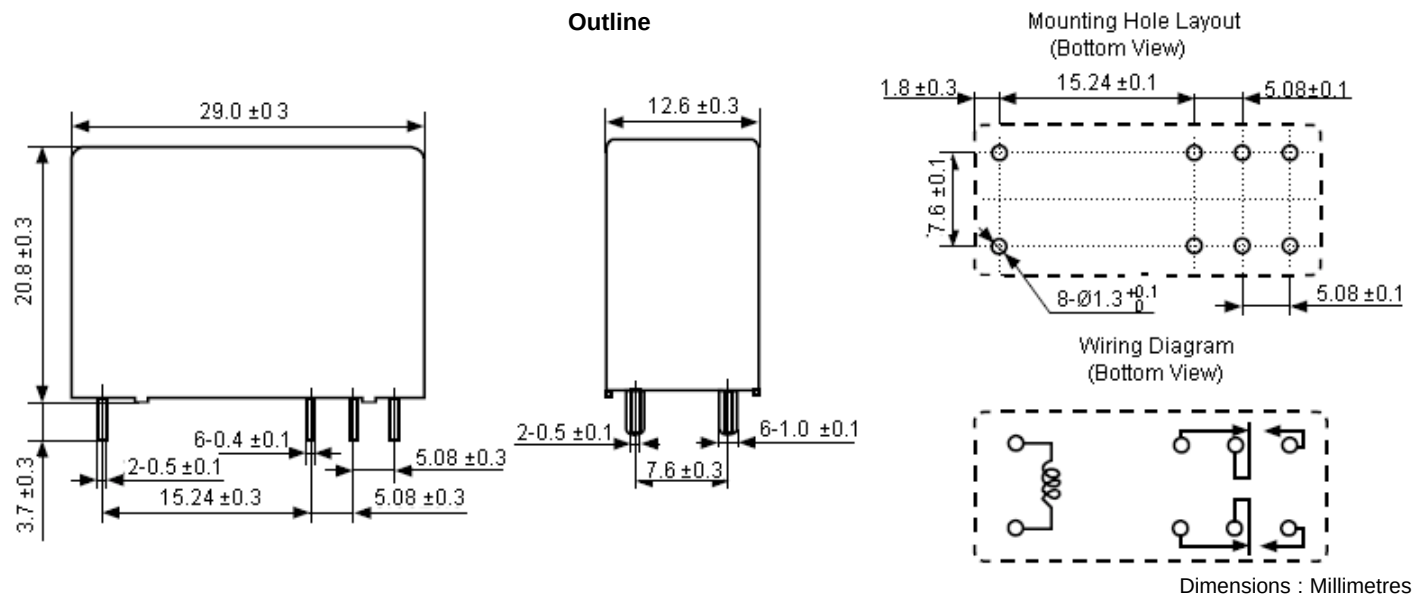
Contact Data		
Life	Electrical	100,000 Operations
		20,000 Operations (COSØ = 0.4 L/R = 7ms)
	Mechanical	10,000,000 Operations
Coil Data		
Nominal Coil Power		540mW, 720mW
General Data		
Insulation Resistance		Minimum 1,000MΩ 500V dc
Dielectric Strength	Between Open Contacts	1,000V ac, 1 Min
	Between Coil and Contacts	4,000V ac, 1 Min
Operate Time		Maximum 15ms
Release Time		Maximum 8ms
Operating Temperature		-30°C to +55°C (720mW)
		-30°C to +70°C (540mW)
Humidity		35 to 95% RH, +40°C
Shock Resistance	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10 to 55Hz, 1.5mm Double Amplitude
	Misoperation	

Coil Data

Ambient Temperature: 23°C

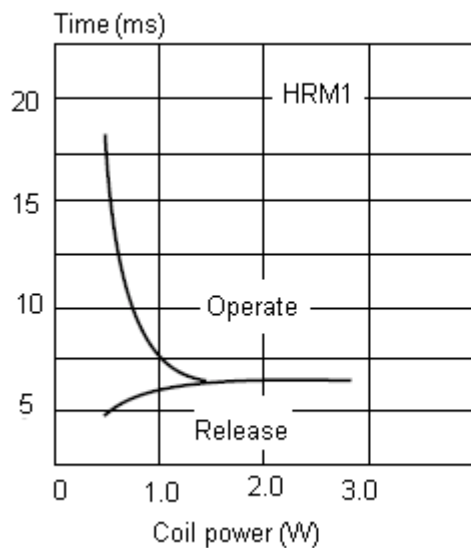
Nominal Voltage V dc	Coil Resistance Ω ±10%	Operate Voltage ≤ V dc	Release Voltage ≥ V dc	Coil Power mW	Part Number
5	35	3.75	0.5	720	HRM1-S-DC 5V C
9	112.5	6.75	0.9		HRM1-S-DC 9V C
12	200	9	1.2		HRM1-S-DC12V C
24	800	18	2.4		HRM1-S-DC24V C

Out Line, Wiring Diagram, Mounting Hole Layout (Unit : mm)

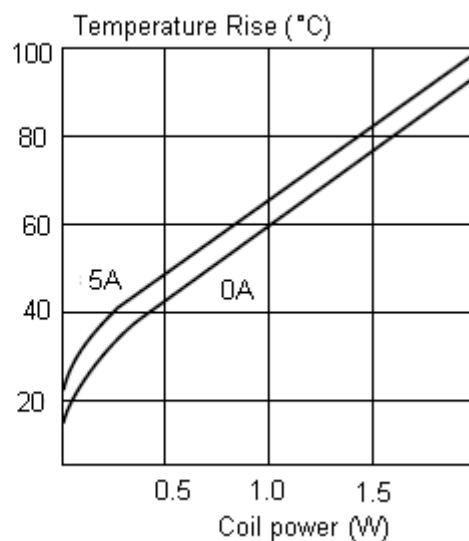


Characteristic Chart Data

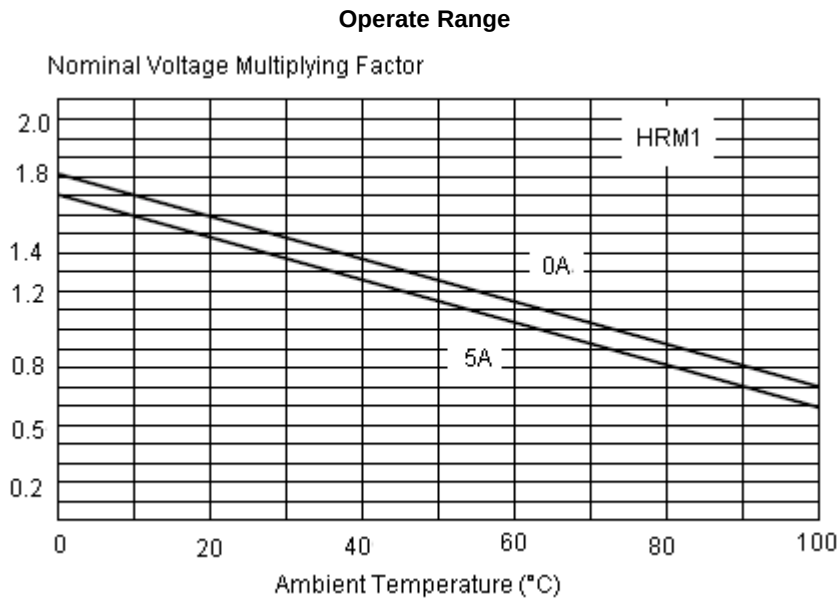
Timing (Standard)



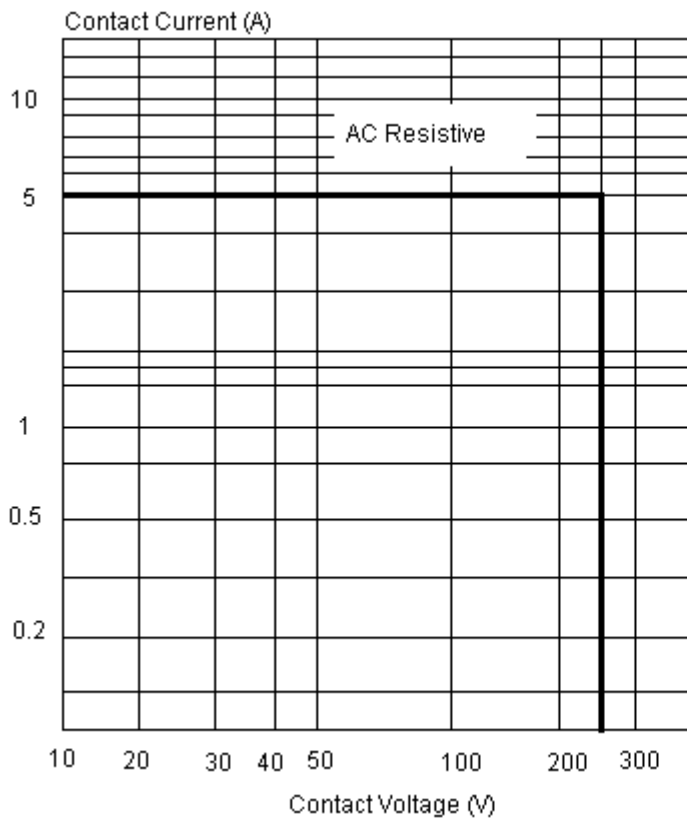
Coil Temperature Rise



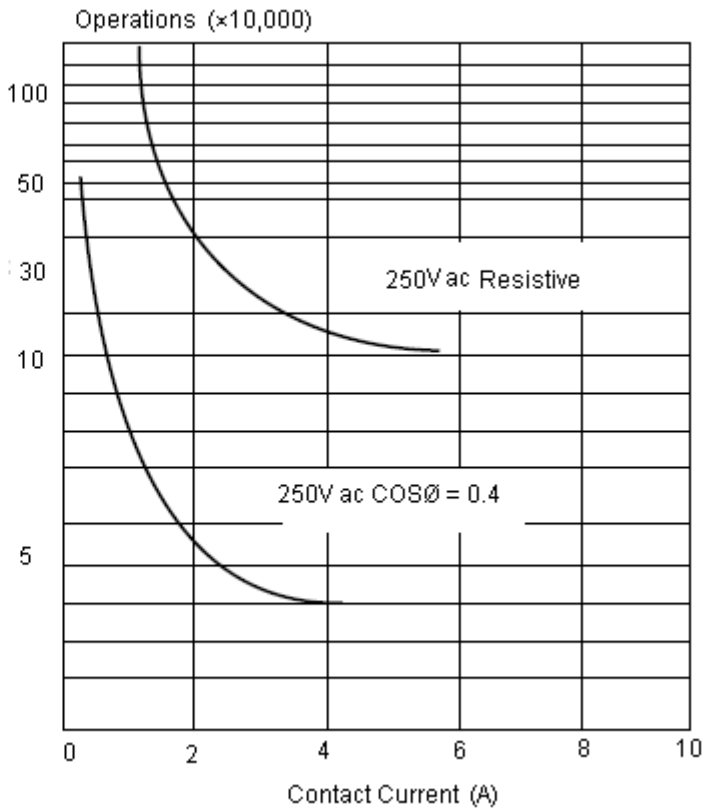
Characteristic Chart Data



Maximum Switching Power



Life Curves



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