

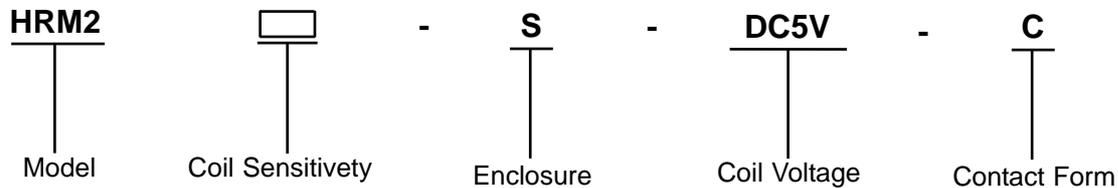
Power Relays



Features:

- Slim type with low height. Dimension : 29 × 12.6 × 20.8 (mm).
- Contact form : 1 form C.
- Dielectric strength between coil and contact : 4KV.
- 16A contact current.
- Creepage distance : 8 mm.

Part Number Explanation:



- Coil Sensitivity** : Blank - Standard (720mW).
Enclosure : S-Plastic sealed type.
Coil Voltage : DC5V, DC9V, DC12V and DC24V.
Contact Form : C-1 Form C.

Specifications

Contact Data		
Contact Material	Ag Alloy	
Contact Rating	Resistive : 16A 250V ac / 30V dc TV Rating : TV-8 125V ac Inductive : 8A 250V ac / 30V 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	16A
	Maximum Switching Power	4,000VA, 480W
	Minimum Switching Load	5V dc, 100mA

Power Relays

Specifications

Contact Data		
Life	Electrical	100,000 Operations
	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	

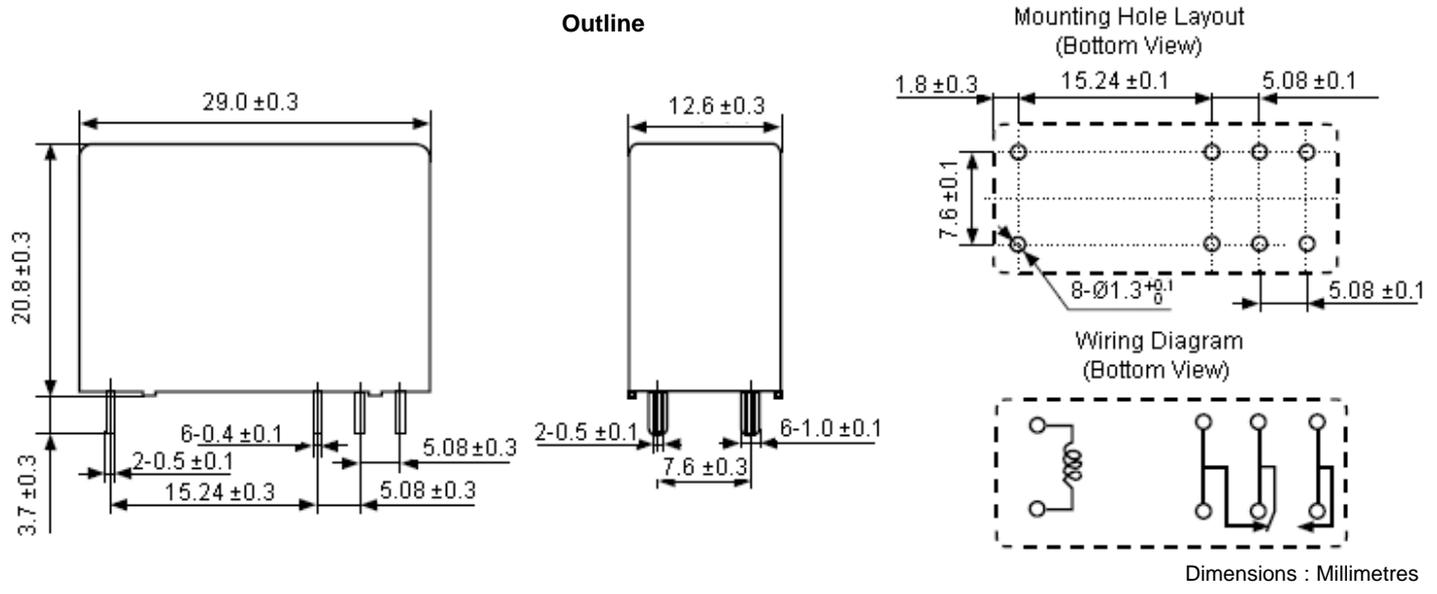
Coil Data

Ambient Temperature: 23°C

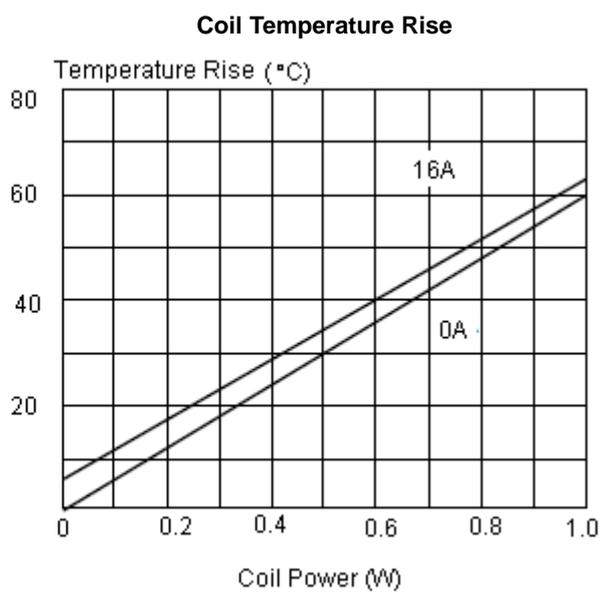
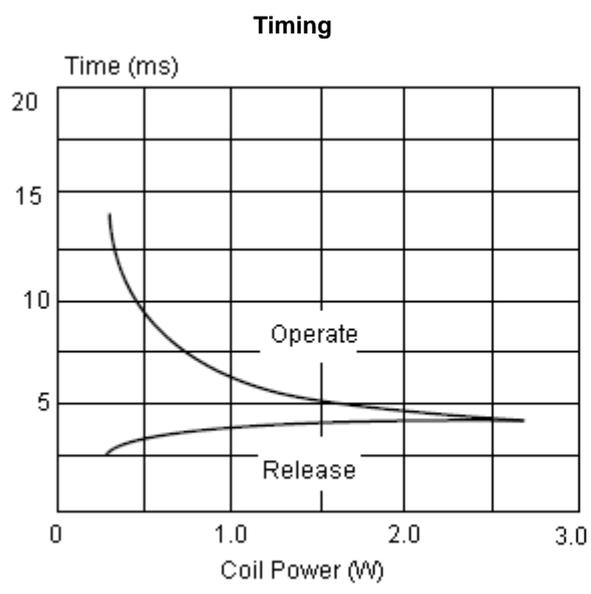
Nominal Voltage V dc	Coil Resistance Ω ±10%	Operate Voltage ≤ V dc	Release Voltage ≥ V dc	Coil Power mW	Part Number
5	35	3.75	0.5	720	HRM2-S-DC5V-C
9	112.5	6.75	0.9		HRM2-S-DC9V-C
12	200	9	1.2		HRM2-S-DC12V-C
24	800	18	2.4		HRM2-S-DC24V-C

Power Relays

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



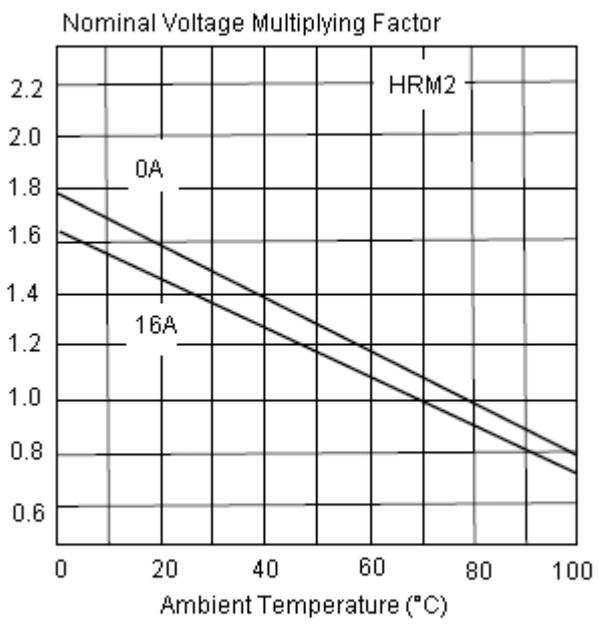
Characteristic Chart Data



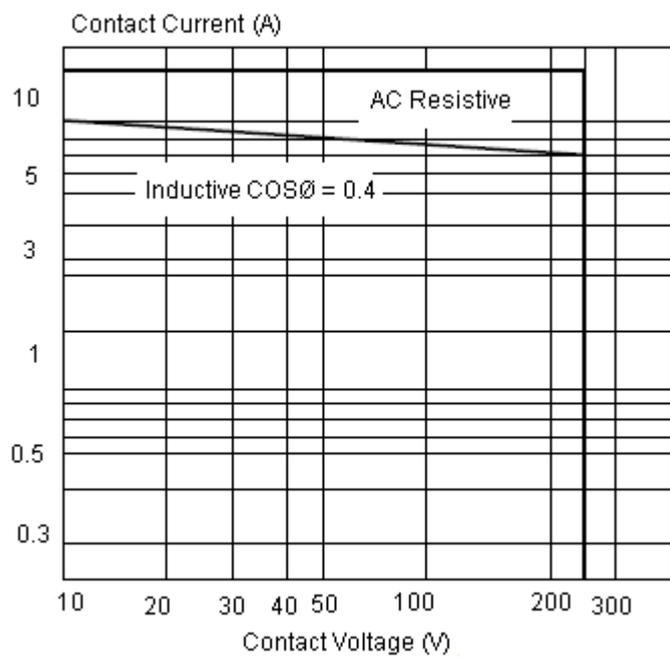
Power Relays

Characteristic Chart Data

Operate Range



Maximum Switching Power



Life Curves

