# Power Relays





#### Features:

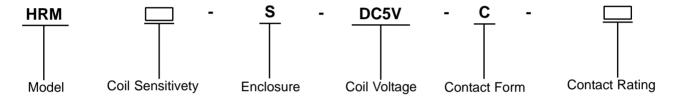
• Slim type with low height.

Dimension :  $29 \times 12.6 \times 20.8$  (mm).

TV-5 Rating

Creepage distance : 8 mm.Contact form : 1 form C.

### **Part Number Explanation:**



Coil Sensitivety: Blank - Standard (720mW).

**Enclosure** : S-Plastic sealed type.

Coil Voltage : DC5V, DC9V, DC12V and DC24V.

Contact Form : C-1 Form C.

Contact Rating : Blank - 10A 250V ac.

### **Specifications**

Contact Data						
Contact Material		Ag Alloy				
Contact Rating		Resistive : 10A 250V ac/30V dc TV Rating : TV-5 Inductive : 5A 240V ac (COSØ = 0.4) Resistive : 16A 250V ac (T)				
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				



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## **Specifications**

Contact Data						
Life	<b>-</b> 1 1	100,000 Operations				
	Electrical	50,000 Operations (COSØ = 0.4 L/R = 7ms)				
	Mechanical	10,000,000 Operations				
Coil Data						
Nominal Coil Power		540mW, 720mW				
General Data						
Insulati	on 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				
Оре	erate 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 <sup>2</sup>				
	Misoperation	100m/s <sup>2</sup>				
Vibration Resistance	Endurance	10 to FELIZ 1 From Double Assalitude				
	Misoperation	10 to 55Hz,1.5mm Double Amplitud				

Coil Data Ambient Temperature: 23°C

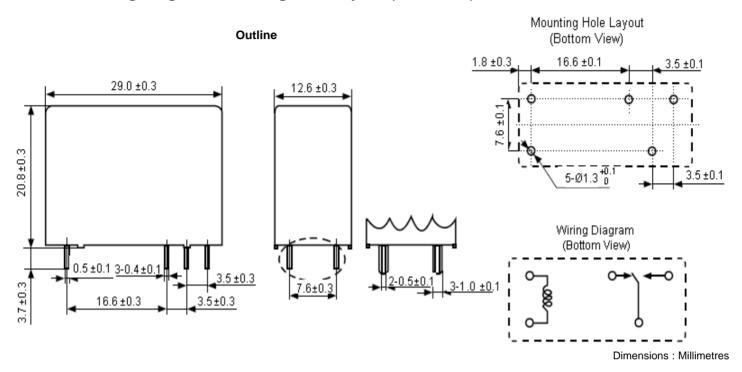
Nominal Voltage V dc	Coil Resistance Ω ±10%	Operate Voltage ≤ V dc	Release Voltage ≥ V dc	Coil Power mW	Part Number
5	35	3.75	0.5	720	HRM-S-DC5V-C
9	112.5	6.75	0.9		HRM-S-DC9V -C
12	200	9	1.2		HRM-S-DC12V-C
24	800	18	2.4		HRM-S-DC24V-C





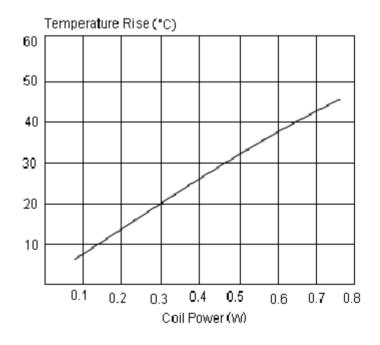


### Out Line, Wiring Diagram, Mounting Hole Layout (Unit: mm)

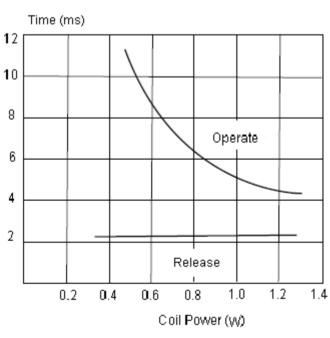


#### **Characteristic Chart Data**

#### **Coil Temperature Rise**



#### Timing

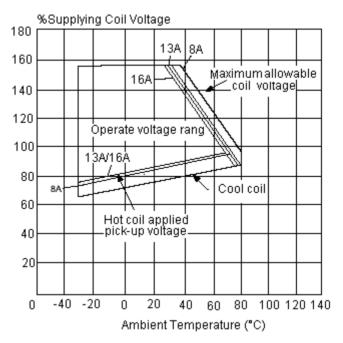


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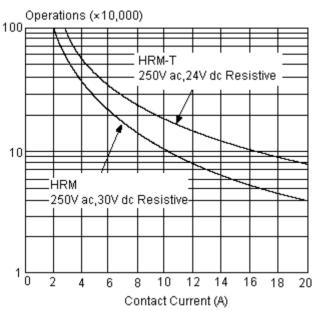


#### **Characteristic Chart Data**

#### **Operate Range**



#### **Life Curves**



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