

# HRM Series

## PCB Power Relays



### Features:

- SPCO contacts.
- Sealed to allow washing after flow soldering.

### Specifications:

#### Coil Data:

Nominal Voltage : 3V dc to 24V dc.  
Nominal Power consumption : 540mW to 720mW.

#### Contact Data:

Contact Arrangement : 1 form C.  
Contact Material : AgCdo.  
Contact Rating : Resistive Load : 10A 250V ac / 30V dc.  
Inductive Load : 5A 240V ac  $\cos\phi = 0.4$   
5A 30V dc L/R = 7ms.

Maximum Switching Voltage : 110V dc / 250V ac.  
Maximum Switching Current : 10A.  
Maximum Switching Power : 2500VA, 300W.  
Contact Resistance (initial) : 100m $\Omega$  at 6V dc 1A.  
Life Expectancy Electrical : 100,000 operations at nominal load TV-5 120V ac.  
Mechanical : 50,000 operations at  $\cos\phi = 0.4$ , L/R = 7ms  
10,000,000 operations.

#### General Data:

Insulation Resistance : Minimum 100M $\Omega$  at 500V dc.  
Dielectric Strength : 1000V ac, 1 minute between open contacts  
5000V ac, 1 minute between contacts and coil.  
Operate Time : Maximum 15ms.  
Release Time : Maximum 8ms.  
Temperature Range : -30 to +55°C (720mW).  
-30 to +70°C (540mW).  
Shock Resistance : 10G.  
Vibration Resistance : 10 - 55Hz, Amplitude 1.5mm.  
Weight : 13 grams.

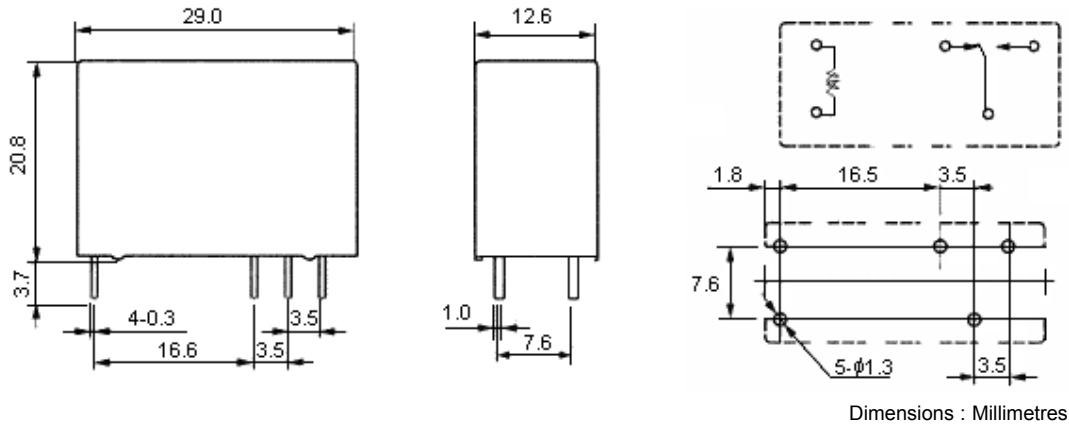


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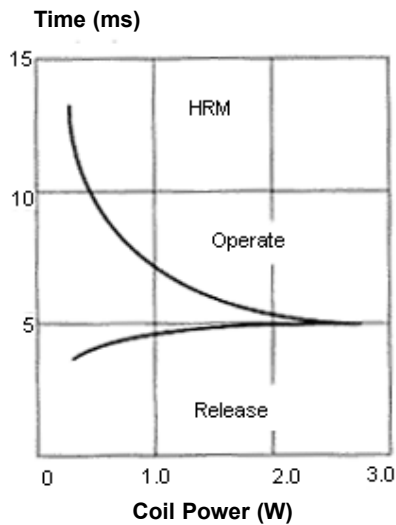


### Dimensions

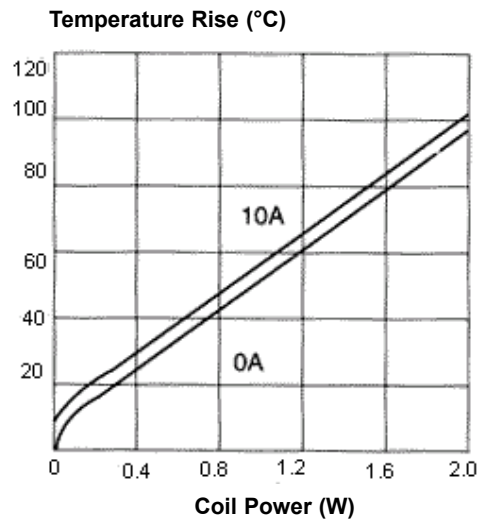


### HRM Characteristic Data

#### Timing (Standard Type)



#### Coil Temperature Rise (Standard Type)

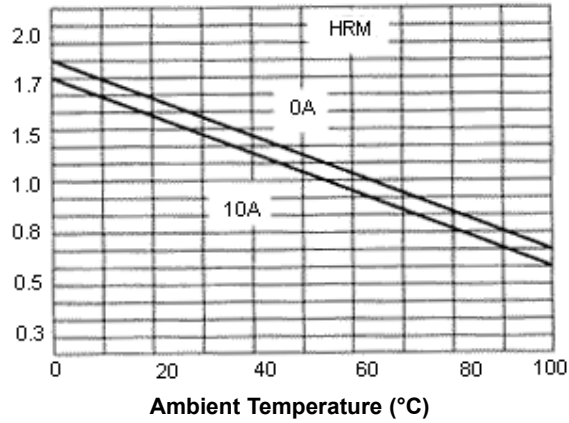


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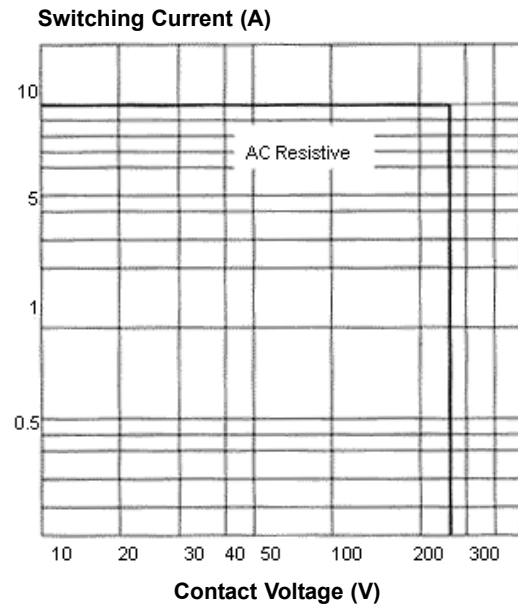
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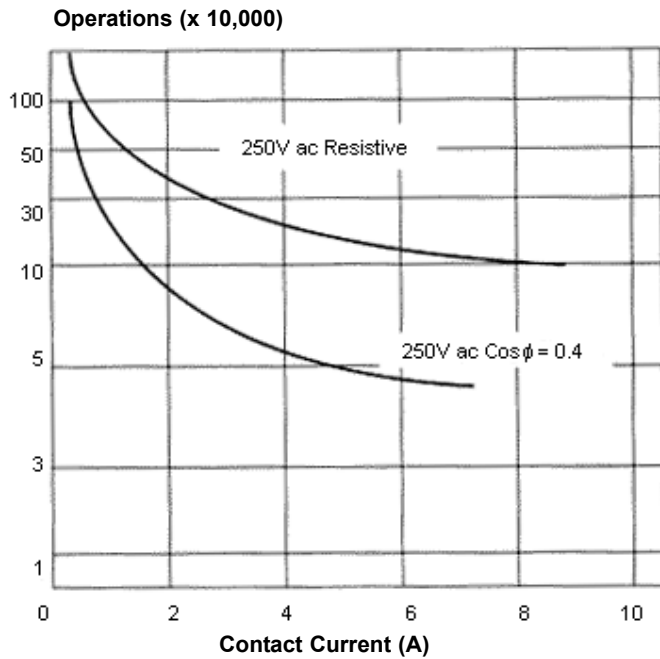
**Operating Range**  
Nominal Voltage Multiplying Factory



**Maximum Switching Power**



**Life Curve**





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### Notes:

### International Sales Offices:

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