

HRM2 Relay

PCB



Coil Data:

Nominal voltage : 3V dc to 48V dc.
Coil resistance : Refer to table 1.
Operate voltage : Refer to table 1.
Release voltage : Refer to table 1.
Nominal power consumption : 540mΩ to 720mΩ.

Contact Data:

Contact arrangement : 1 form C, 1 form A and 1 form B.
Contact material : AgCdo.
Contact rating : Resistive load : 16A 240V ac/30V dc.
Inductive load : 8A 240V ad COS ϕ = 0.4
8A 30V dc L/R = 7ms.

Maximum switching voltage : 150V dc / 250V ac.
Maximum switching current : 16A.
Maximum switching power : 3840VA, 480W.
Contact resistance (Initial) : 100mΩ at 6V dc 1A.
Life Expectancy : Electrical : 100,000 operations at nominal load TV-8 120V ac.
Mechanical : 100,000 operations at COS ϕ =0.4, L/R=7ms
10,000,000 operations.

General Data:

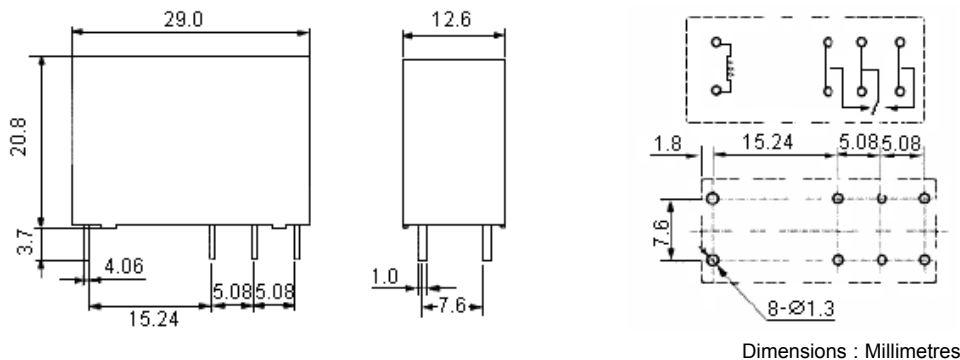
Insulation resistance : Minimum 100M Ω , at 500 V dc.
Dielectric strength : 1000V ac, 1minute between open contacts
5000V ac, 1minute between contacts and coil.
Operate time : Maximum 15ms.
Release time : Maximum 8ms.
Temperature range : -30 to +55°C (720mΩ)
-30 to +70°C (540mΩ).
Shock resistance : 10G.
Vibration resistance : 10 to 55Hz, amplitude 1.5mm.
Weight : 13gr.
Safety standard : UL number E164730
TUV number R 9859088.

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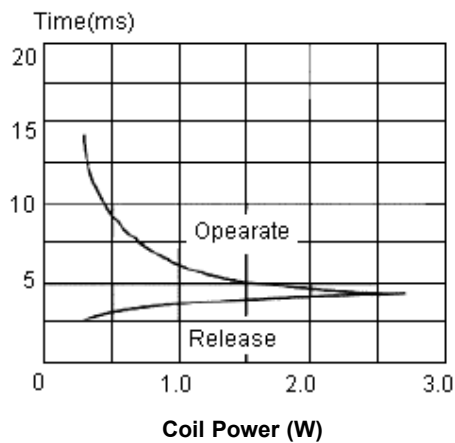


Dimensions:

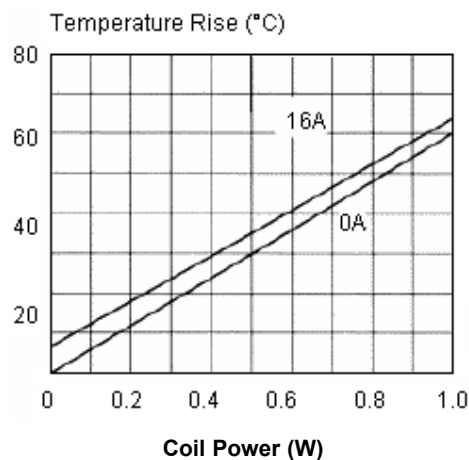


HRM2(H) Characteristic Data:

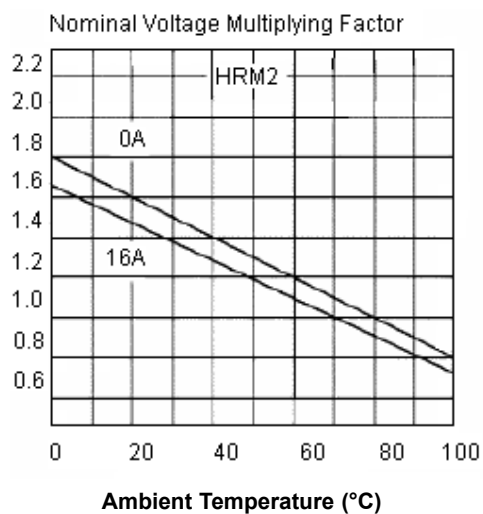
Timing



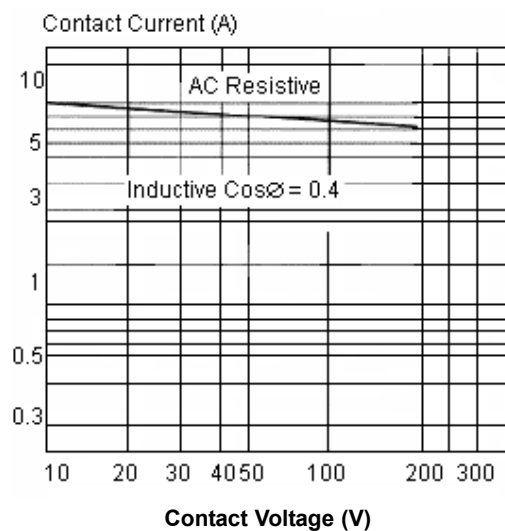
Coil Temperature Rise



Operating Range



Maximum Switching Power



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<http://www.cpc.co.uk>

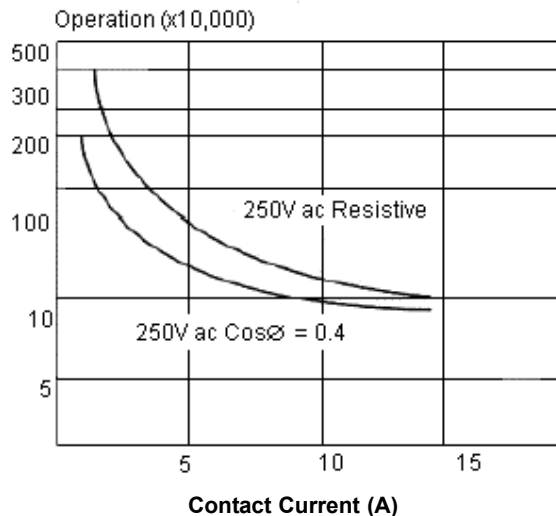


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Life Curve

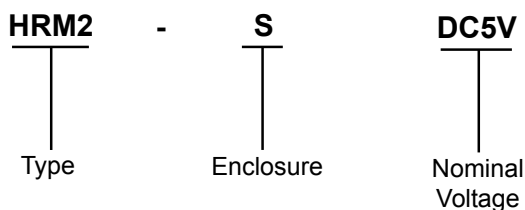


Coil Data Chart:

Coil Nominal (V dc)	Coil Resistance (Ω, ±10%)	Operate Voltage (V dc)	Release Voltage (V dc)	Coil Nominal (mΩ)	Part Number
5	36	4.0	0.25	720	HRM2-S DC5V
9	115	7.2	0.45		HRM2-S DC9V
12	200	9.6	0.6		HRM2-S DC12V
24	820	19.2	1.20		HRM2-S DC24V

Dimensions : Millimetres

Part Number Explanation:



Enclosure : S = Washable.

Nominal Voltage : DC5V, DC9V, DC12V and DC24V.

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