

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 ac 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:

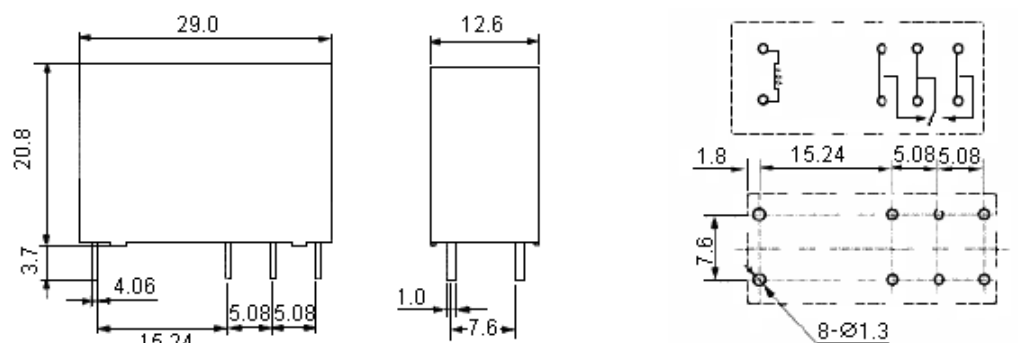
Insulation resistance	: Minimum 100M Ω , at 500 V dc.
Dielectric strength	: 1000V ac, 1minute between open contacts 5000V ac, 1minute between contacts and coil.
Operate time	: Maximum 15ms.
Release time	: Maximum 8ms.
Temperature range	: -30 to +55°C (720mΩ) -30 to +70°C (540mΩ).
Shock resistance	: 10G.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

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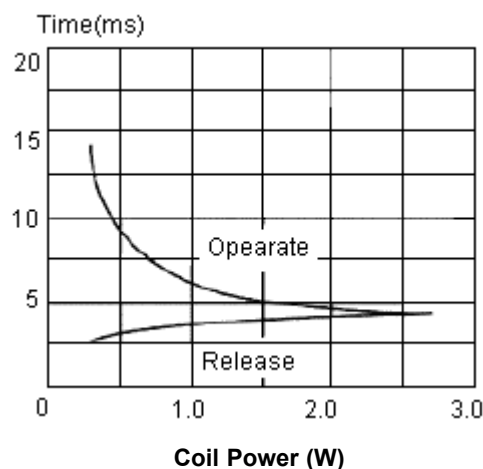
Dimensions:



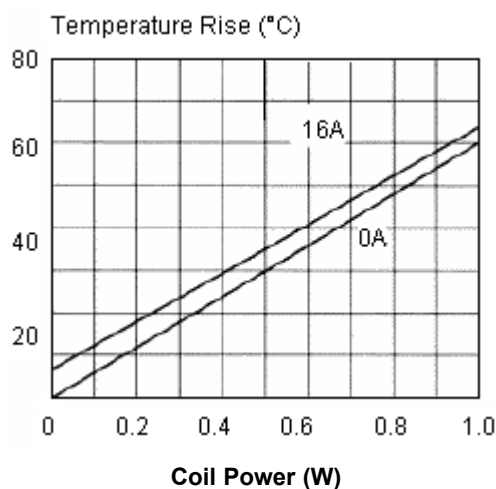
Dimensions : Millimetres

HRM2(H) Characteristic Data:

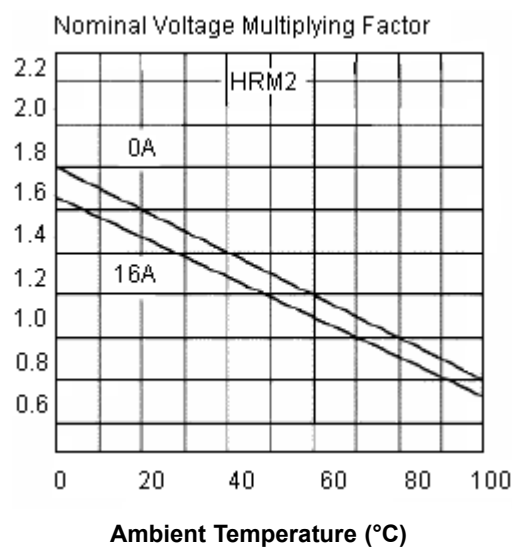
Timing



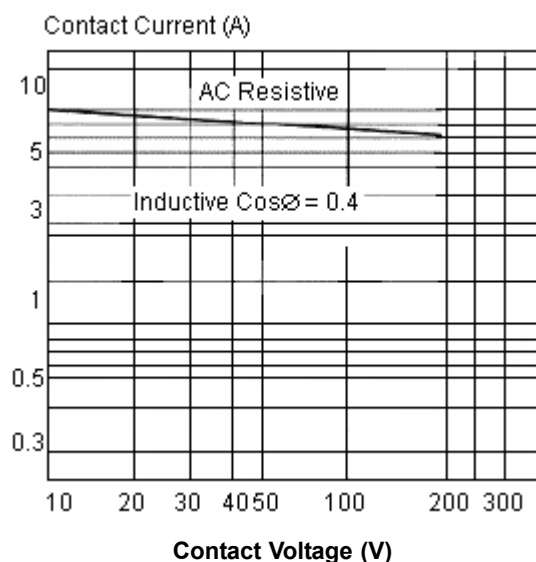
Coil Temperature Rise



Operating Range



Maximum Switching Power

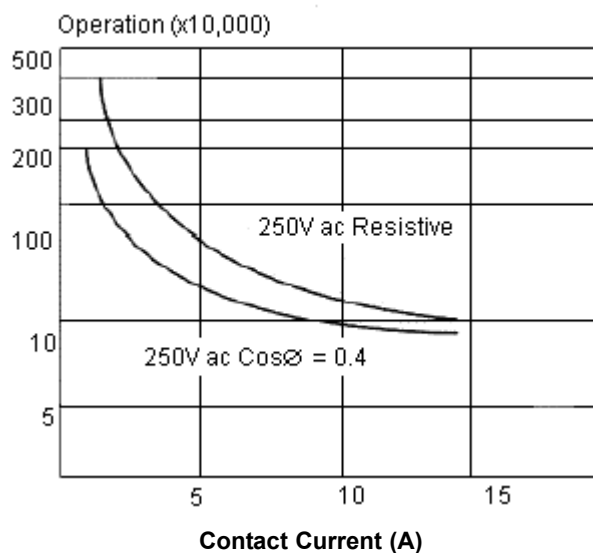


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Life Curve

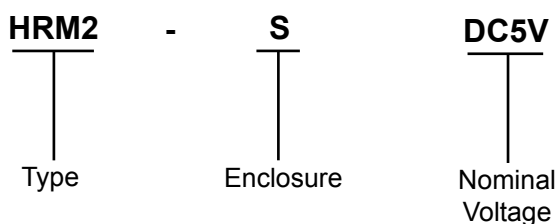


Coil Data Chart:

Coil Nominal (V dc)	Coil Resistance (Ω , $\pm 10\%$)	Operate Voltage (V dc)	Release Voltage (V dc)	Coil Nominal (m Ω)	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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