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 : $540 \text{m}\Omega$ to $720 \text{m}\Omega$.

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 $: 8A 240V \text{ ad } COS!\mu = 0.4$

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) : $100m\Omega$ at 6V dc 1A.

Life Expectancy : Electrical : 100,000 operations at nominal load TV-8 120V ac.

: Mechanical : 100,000 operations at COS¦µ=0.4, L/R=7ms

10,000,000 operations.

General Data:

Insulation resistance : Minimum 100M_L 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 (720m Ω)

: -30 to +70°C (540m Ω).

Shock resistance : 10G.

Vibration resistance : 10 to 55Hz, amplitude 1.5mm.

Weight : 13gr.

Safety standard : UL number E164730

TUV number R 9859088.

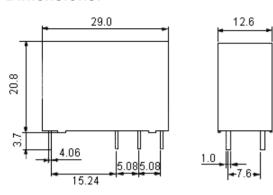


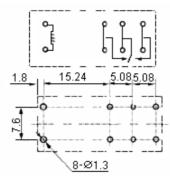
HRM2 Relay

PCB



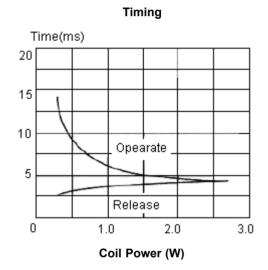
Dimensions:



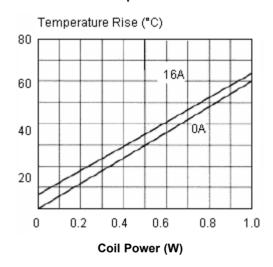


Dimensions : Millimetres

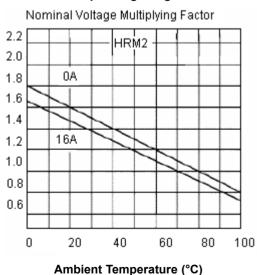
HRM2(H) Characteristic Data:



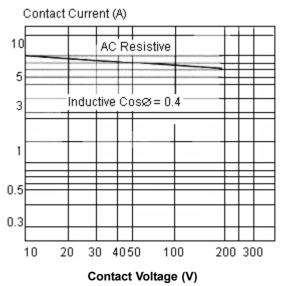
Coil Temperature Rise



Operating Range



Maximum Switching Power



http://www.farnell.com http://www.newark.com http://www.cpc.co.uk

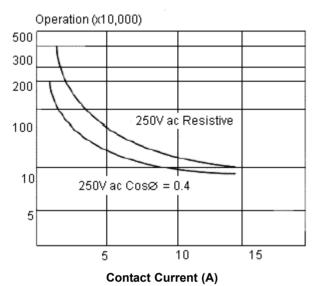


HRM2 Relay

PCB



Life Curve

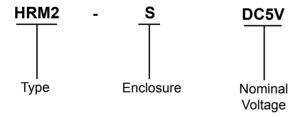


Coil Data Chart:

Coil Nominal (V dc)	Coil Resistance (, ±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.

Disclaimer This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC Multicomp is the registered trademark of the Group. © Premier Farnell plc 2009.

http://www.farnell.com http://www.newark.com http://www.cpc.co.uk

