



Coil Data

Nominal voltage	: 5, 12 and 24V dc.
Coil resistance	: Refer to coil data chart.
Operate voltage	: Refer to coil data chart.
Release voltage	: Refer to coil data chart.
Nominal power	: 150mW, 250mW and 540mW.

Contact Data

Contact form	: 1 form A.
Contact material	: AgAlloy.
Contact rating	: 10A 250V ac / 30V dc, TV-5.
Maximum switching voltage	: 250V ac / 30V dc.
Maximum switching current	: 10A.
Maximum switching power	: 2,500VA, 300W.
Minimum switching load	: 5V dc, 100mA.
Maximum contact resistance	: 100mΩ (6V dc 1A).

Life

Electrical	: 100,000 operations.
Mechanical	: 2,000,000 operations.

General Data

Minimum insulation resistance	: 1,000MΩ 500V dc.
Dielectric strength	: 1,000V ac, 1 min between open contacts. 4,000V ac, 1 min between coil and contacts.
Sure strength	: 10,000V ac.
Maximum operate time	: 15ms.
Maximum release time	: 8ms.
Operate temperature	: -40 to +70°C.

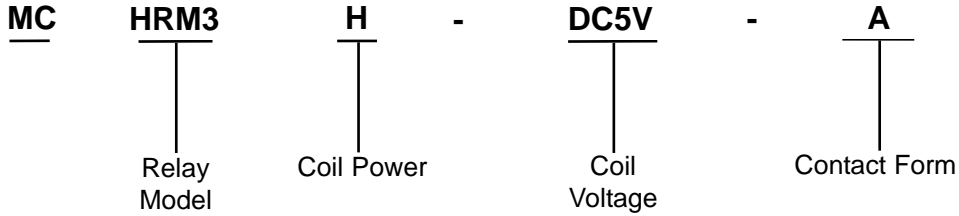
Shock Resistance

Endurance	: 1,000m/s ² .
Misoperation	: 100m/s ² .

Vibration Resistance

Endurance	: 10 to 55Hz, 1.5mm double amplitude.
Misoperation	: 10 to 55Hz, 1.5mm double amplitude.
Humidity	: 35% to 95%RH, +40°C.

Order Code

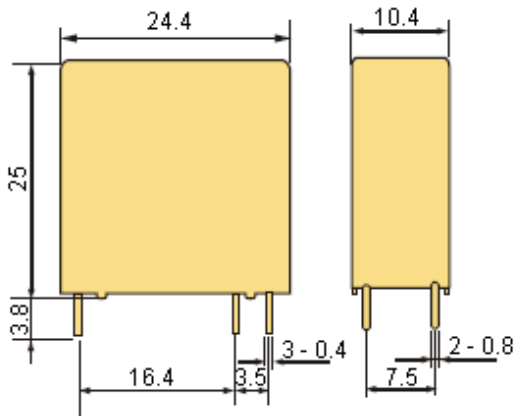


Coil Power : H = High Sensitivity 250mW.
Coil Voltage : 5 = DC5V, 12 = DC12V and 24 = DC24V.
Contact Form : A = 1 Form A.

Coil Data Chart 20°C

Description	Nominal Voltage V dc	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ dc	Release Voltage $\geq V$ dc	Coil Power mW	Part Number
Relay, Power, SPST, 5V dc Coil, 0.25W	5	100	3.75	0.5	250	MCHRM3H-DC5V-A
Relay, Power, SPST, 12V dc Coil, 0.25W	12	576	9	1.2		MCHRM3H-DC12V-A
Relay, Power, SPST, 24V dc Coil, 0.25W	24	2304	18	2.4		MCHRM3H-DC24V-A

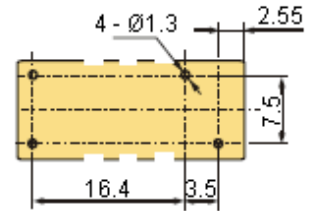
Dimensions



Wiring Diagrams (Bottom View)



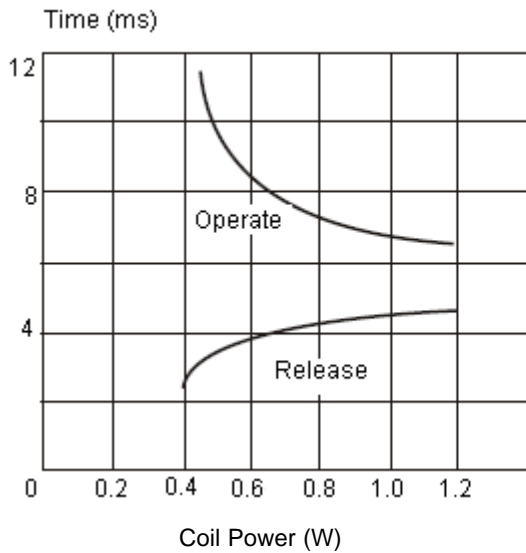
Mounting Hole Layout (Bottom View)



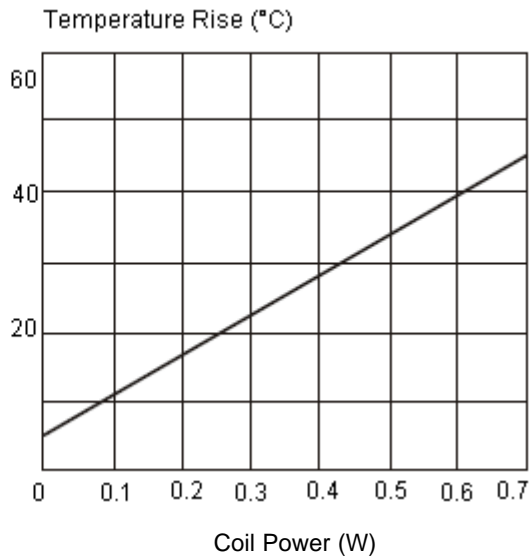
Dimensions : Millimetres

Characteristic Chart Data

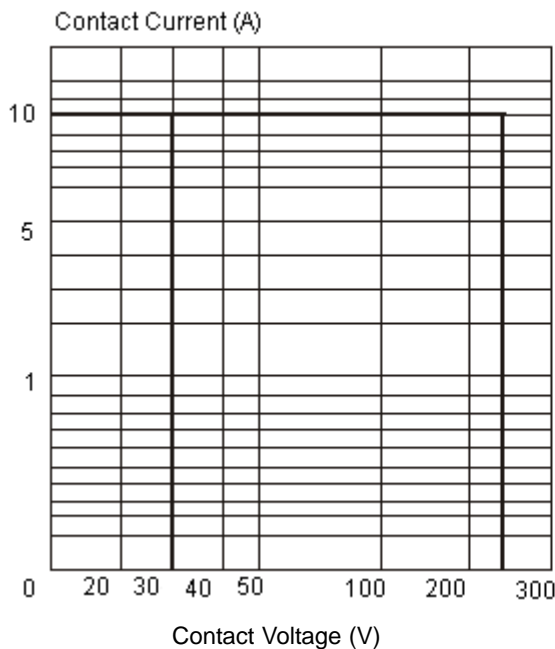
Timing



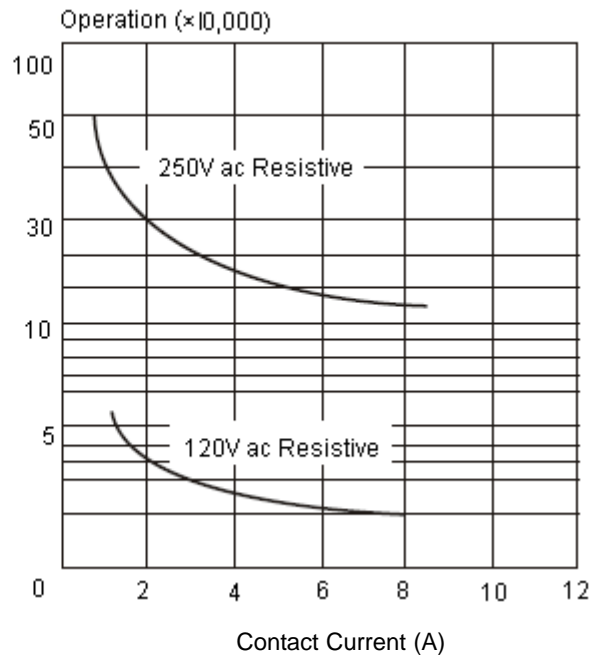
Coil Temperature Rise



Maximum Switching Power



Life Curves



Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (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. Multicomp is the registered trademark of the Group. © Premier Farnell plc 2011.