



## Coil Data

Nominal voltage	: 12, 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	: 540mW, 720mW.

## Contact Data

Contact form	: 1 form C.
Contact material	: AgAlloy
Contact rating	: Resistive : 16A 250V ac / 30V dc, TV-8 : Inductive : 8A 250V ac / 30V dc (Cos Ø = 0.4, L/R = 7ms).
Maximum switching voltage	: 250V ac / 30V dc.
Maximum switching current	: 16A.
Maximum switching power	: 4,000VA, 480W.
Minimum switching load	: 5V dc, 100mA.
Maximum contact resistance	: 50mΩ (6V dc 1A).

## Life

Electrical	: 100,000 operations.
Mechanical	: 10,000,000 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.
Maximum operate time	: 15ms.
Maximum release time	: 8ms.
Operate temperature	: -30 to +55°C (720mW) : -30 to +70°C (540mW).

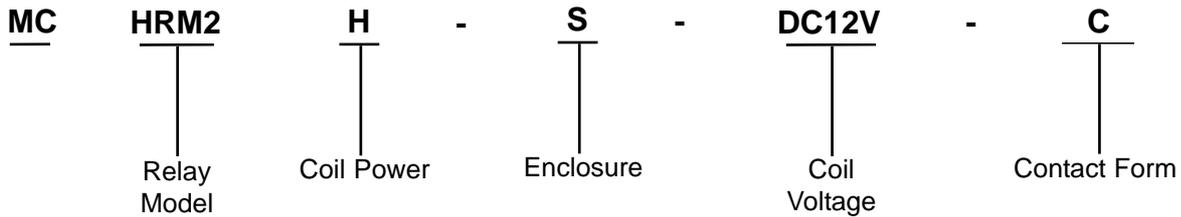
## Shock resistance

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

## 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

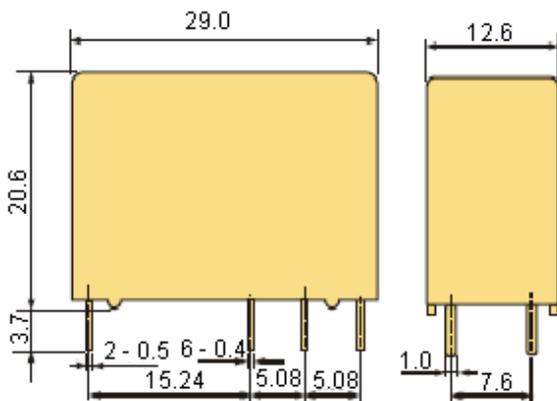


- Coil Power** : H = High Sensivity 540mW.
- Enclosure** : S = Plastic Sealed Type.
- Coil Voltage** : 12 = DC12V and 24 = DC24V.
- Contact Form** : C = 1 Form C.

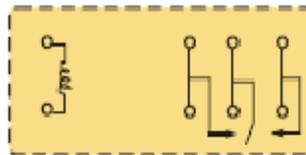
## Coil Data Chart 20°C

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, SPDT, 12V dc Coil 0.54W	12	267	9	1.2	540	MCHRM2H-S-DC12V-C
Relay, Power, SPDT, 24V dc Coil 0.54W	24	1067	18	2.4		MCHRM2H-S-DC24V-C

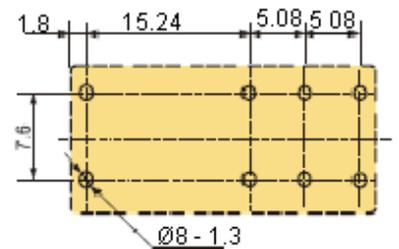
## Dimensions



## Wiring Diagrams (Bottom View)



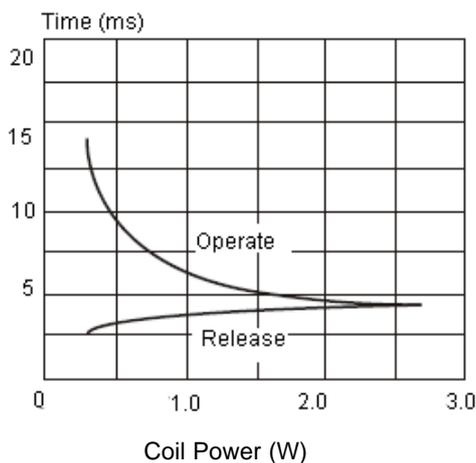
## Mounting Hole Layout (Bottom View)



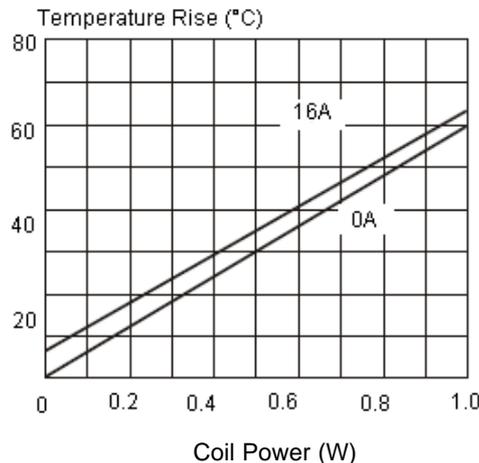
Dimensions : Millimetres

## Characteristic Chart Data

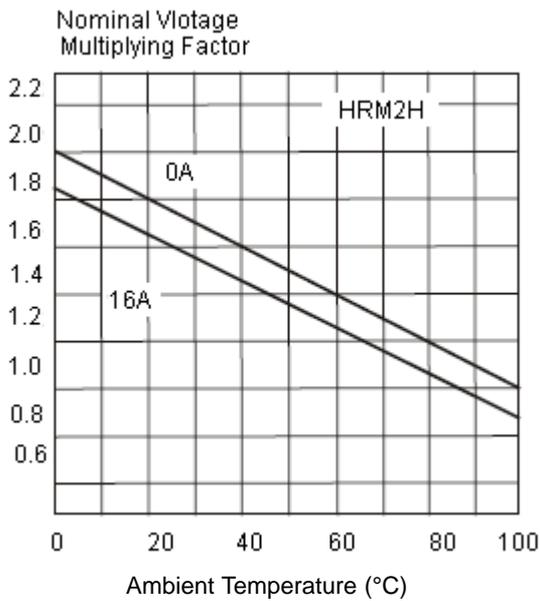
### Timing



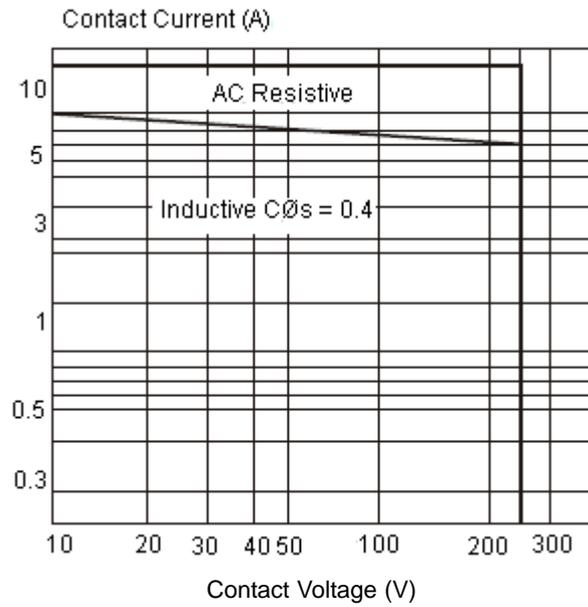
### Coil Temperature Rise



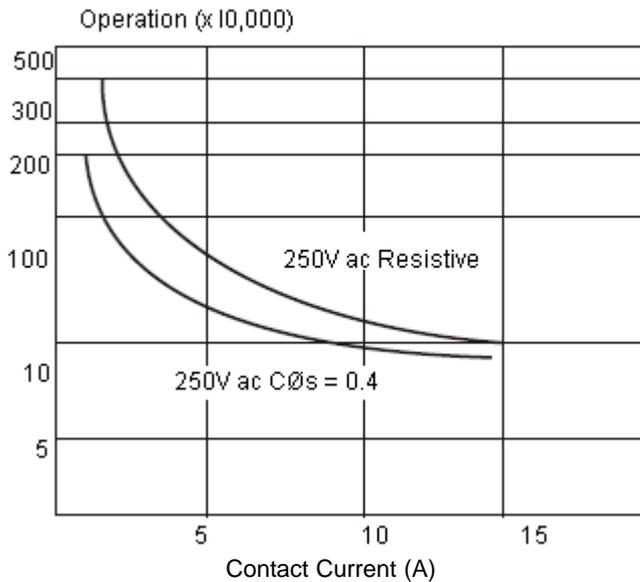
## Operate Range



## Maximum Switching Power



## Life Curves



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