

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

Contact Data

Contact Form	: 1 form C
Contact Material	: Ag Alloy
Contact Rating	: Resistive : 16A 250V AC / 30V DC, TV-8 Inductive : 8A 250V AC / 30V DC (Cos Ø = 0.4, L/R = 7ms)
Max. Switching Voltage	: 250V AC / 30V DC
Max. Switching Current	: 16A
Max. Switching Power	: 4000VA, 480W
Min. Switching Load	: 5V DC, 100mA
Max. Contact Resistance	: 50mΩ (6V DC 1A)

Life

Electrical	: 100,000 operations.
Mechanical	: 10,000,000 operations.

General Data

Min. 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.
Max. Operate Time	: 15ms
Max. Release Time	: 8ms.
Operate Temperature	: -30 to +70°C

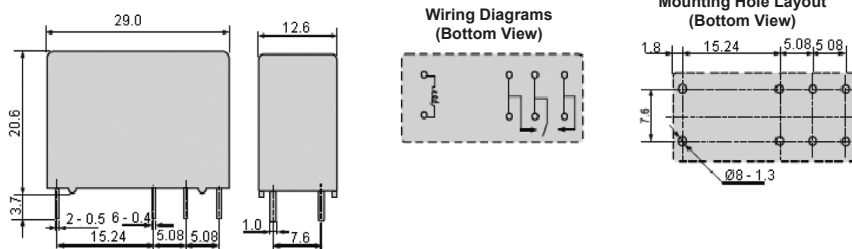
Shock Resistance

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.

Diagram



Dimensions : Millimetres

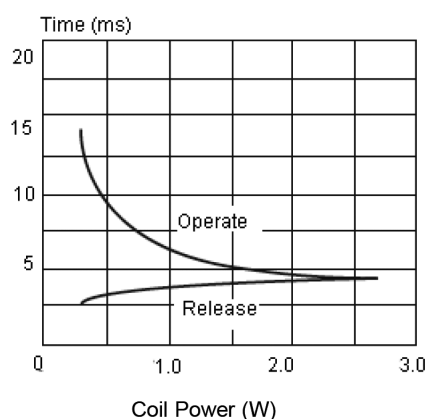
Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

Coil Data Chart 20°C

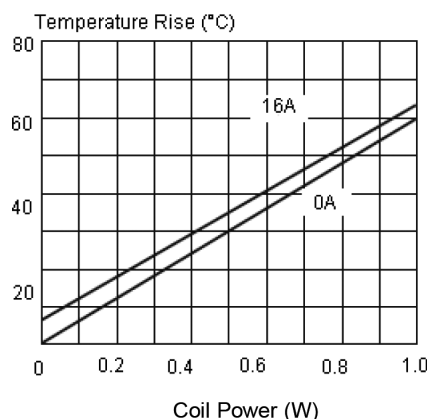
Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ DC	Release Voltage $\geq V$ DC	Coil Power mW	Part Number
12	267	9	1.2	540	MCHRM2H-S-DC12V-C
24	1067	18	2.4		MCHRM2H-S-DC24V-C

Characteristic Chart Data

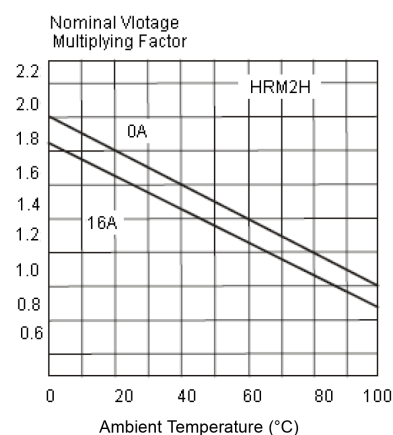
Timing



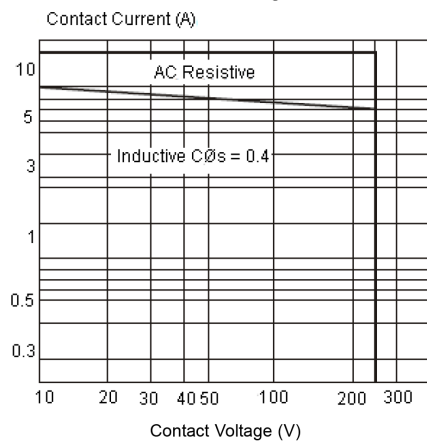
Coil Temperature Rise



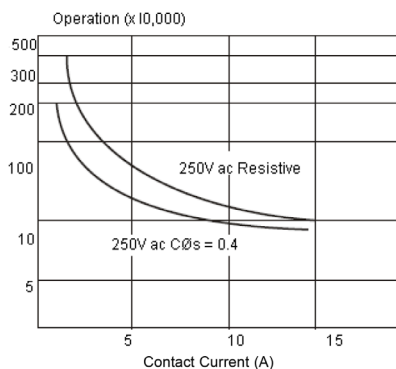
Operate Range



Maximum Switching Power



Life Curves



Part Number Table

Description	Part Number
Relay, Power, SPDT, 12V DC Coil 0.54W	MCHRM2H-S-DC12V-C
Relay, Power, SPDT, 24V DC Coil 0.54W	MCHRM2H-S-DC24V-C

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