



Coil Data

Nominal Voltage : 5V DC, 12V DC and 24V DC
 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.
 Max. Switching Voltage : 250V AC / 30V DC
 Max. Switching Current : 10A
 Max. Switching Power : 2,500VA, 300W
 Min. Switching Load : 5V DC, 100mA
 Max. Contact Resistance : 100mΩ (6V DC 1A)

Life

Electrical : 100,000 operations
 Mechanical : 2,000,000 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.
 Sure Strength : 10,000V AC
 Max. Operate Time : 15ms.
 Max. Release Time : 8ms.
 Operate Temperature : -40 to +70°C.

Shock Resistance

Endurance : 1,000m/s²
 Misoperation : 100m/s²

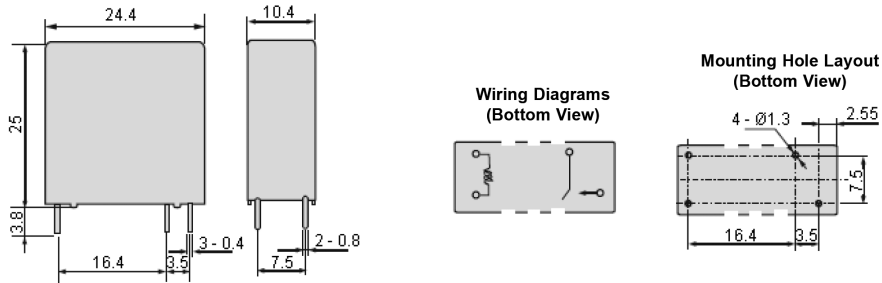
Vibration Resistance

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

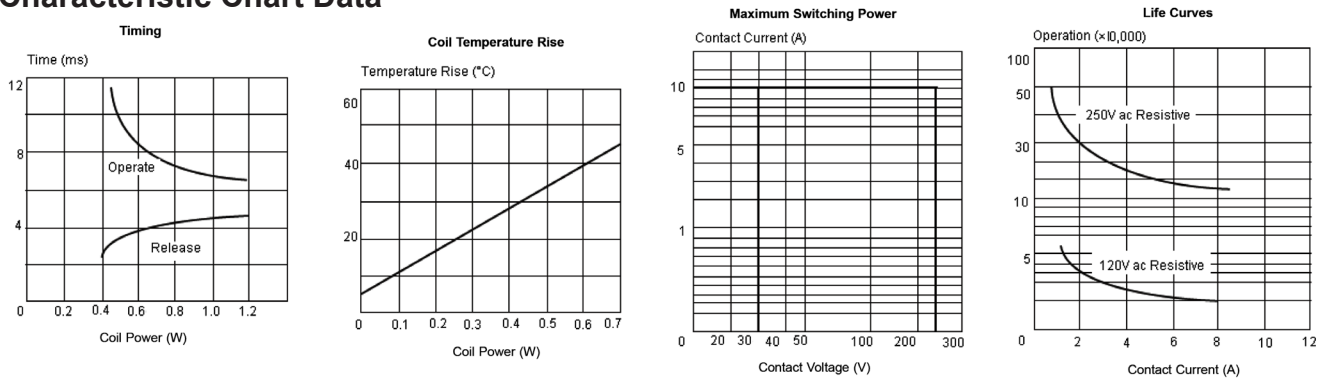
Specification Table

Part Number	Nominal Voltage V DC	Coil Resistance Ω ±10%	Operate Voltage ≤ V DC	Release Voltage ≥ V DC	Coil Power mW
MCHRM3H-DC5V-A	5	100	3.75	0.5	250
MCHRM3H-DC12V-A	12	576	9	1.2	
MCHRM3H-DC24V-A	24	2304	18	2.4	

Diagram



Characteristic Chart Data



Part Number Table

Description	Part Number
Relay, Power, SPST, 5V DC Coil, 0.25W	MCHRM3H-DC5V-A
Relay, Power, SPST, 12V DC Coil, 0.25W	MCHRM3H-DC12V-A
Relay, Power, SPST, 24V DC Coil, 0.25W	MCHRM3H-DC24V-A

Dimensions : Millimetres

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