



Specifications

Contact form	: 2 form C.
Dielectric Strength Between Coil and Contact	: 4kV
Creepage distance	: 8mm.
Dimension	: 29mm × 12.6mm × 20.8mm
Slim type with low height.	

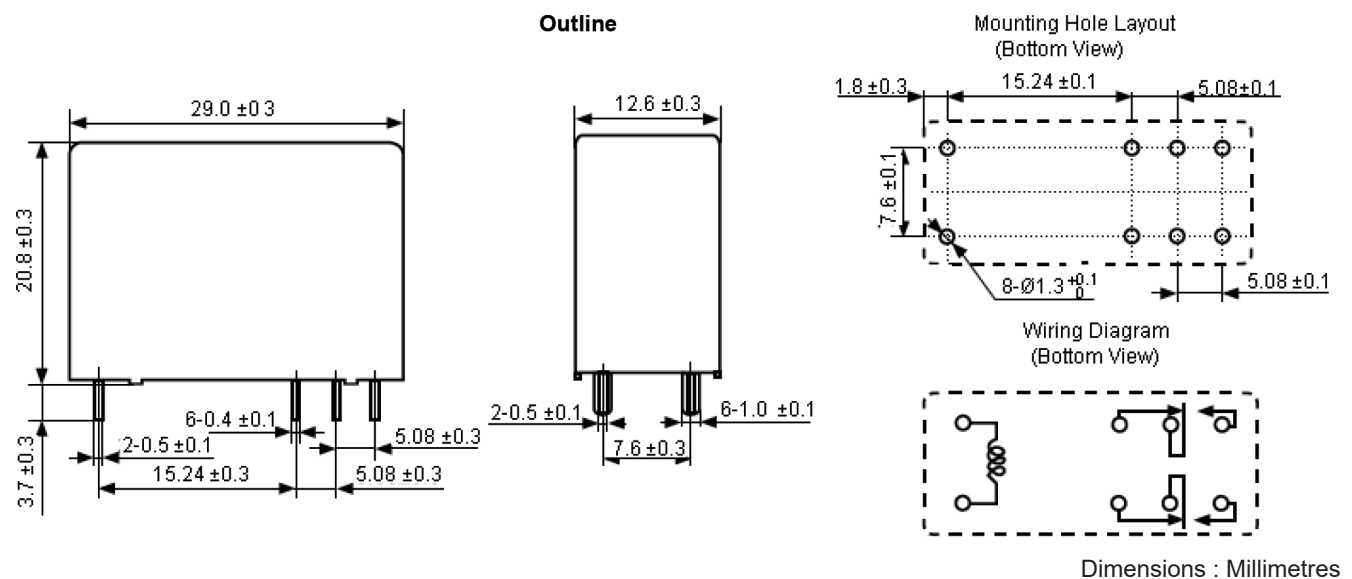
Specification Table

Contact Data		
Contact Material		Ag Alloy
Contact Rating		Resistive: 5A 250V AC / 24V DC TV Rating : TV-5 Inductive: 5A 250V AC / 24V DC (COSØ = 0.4, L/R = 7ms)
Contact Resistance		Max. 100mΩ (6V DC 1A)
Load	Max. Switching Voltage	250V AC / 30V DC
	Max. Switching Current	5A
	Max. Switching Power	1,250VA, 120W
	Min. Switching Load	5V DC, 100mA
Life	Electrical	100,000 Operations
		20,000 Operations (COSØ = 0.4 L/R = 7ms)
	Mechanical	10,000,000 Operations
Coil Data		
Nominal Coil Power		540mW, 720mW
General Data		
Insulation Resistance		Min. 1,000MΩ 500V DC
Dielectric Strength	Between Open Contacts	1,000V AC, 1 Min
	Between Coil and Contacts	4,000V AC, 1 Min
Operate Time		Maximum 15ms
Release Time		Maximum 8ms
Operating Temperature		-30°C to +55°C (720mW)
		-30°C to +70°C (540mW)
Humidity		35 to 95% RH, +40°C
Shock Resistance	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10 to 55Hz, 1.5mm Double Amplitude
	Misoperation	

Coil Data

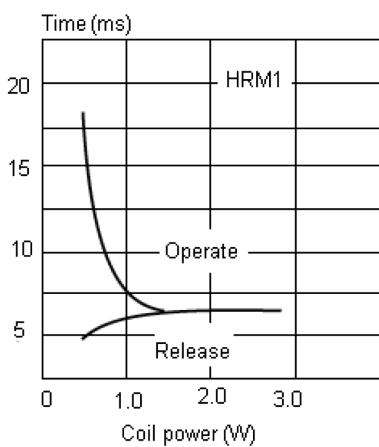
Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ DC	Release Voltage $\geq V$ DC	Coil Power mW	Part Number
5	35	3.75	0.5	720	MCHRM1-S DC5V
9	112.5	6.75	0.9		MCHRM1-S DC9V
12	200	9	1.2		MCHRM1-S DC12V-C
24	800	18	2.4		MCHRM1-S DC24V

Out Line, Wiring Diagram, Mounting Hole Layout

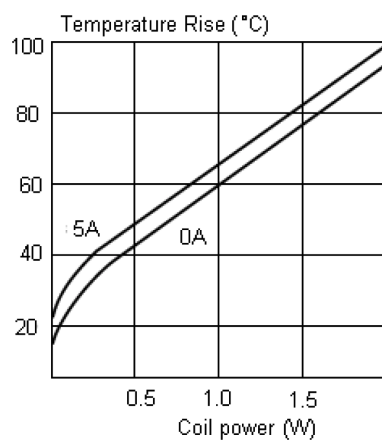


Characteristic Chart Data

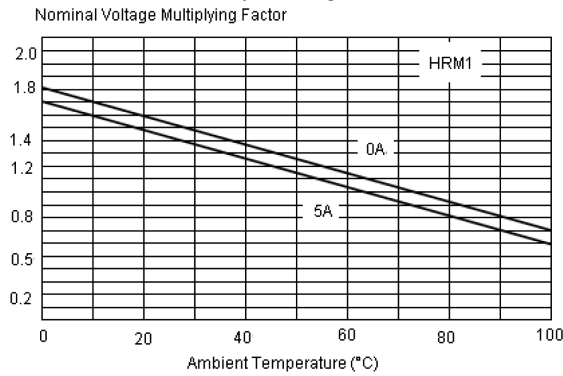
Timing (Standard)



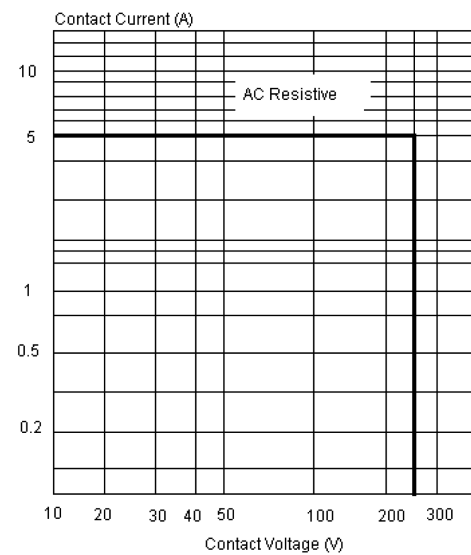
Coil Temperature Rise



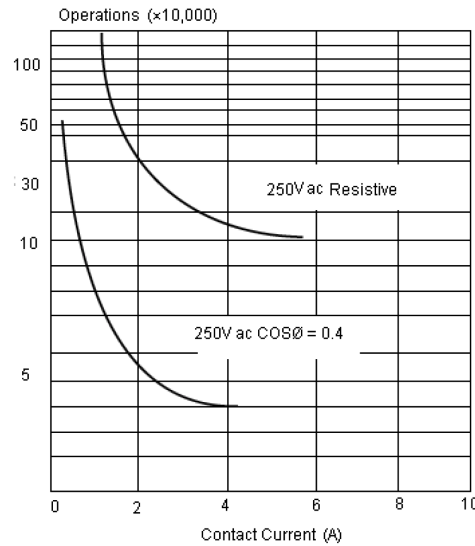
Operate Range



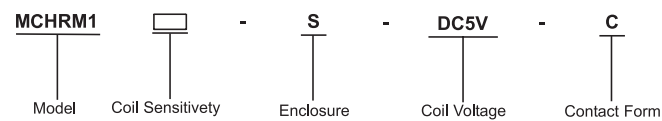
Maximum Switching Power



Life Curves



Part Number Explanation



- Coil Sensitivity : Blank - Standard (720mW).
- Enclosure : S-Plastic sealed type.
- Coil Voltage : DC5V, DC9V, DC12V and DC24V
- Contact Form : C-2 Form C

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