



## Coil Data

Nominal Power : 450mW

## Contact Data

Contact Material : Ag alloy  
Contact Rating : 12A 120V AC  
10A 250V AC / 24V DC  
5A 120V AC / 24V DC Inductive ( COS Ø = 0.4, L/R = 7ms)  
TV-5  
Max. Switching Voltage : 250V AC / 24V DC  
Max. Switching Current : 15A  
Max. Switching Power : 2,500VA, 240W  
Min. Switching Load : 5V DC, 100mA  
Contact Resistance : Max. 50mΩ (6V DC 1A)

## Life

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

## General Data

Insulation Resistance : Min. 1,000mW 500V DC  
Dielectric Strength : 1,000V AC, 1 min. between open contacts  
1,800V AC, 1 min. between coil and contacts  
Operate Time : Max. 10ms  
Release Time : Max. 5ms  
Operate Temperature : -40°C to +85°C

## Shock Resistance

Endurance : 1,000m/s<sup>2</sup>  
Mis-operation : 100m/s<sup>2</sup>

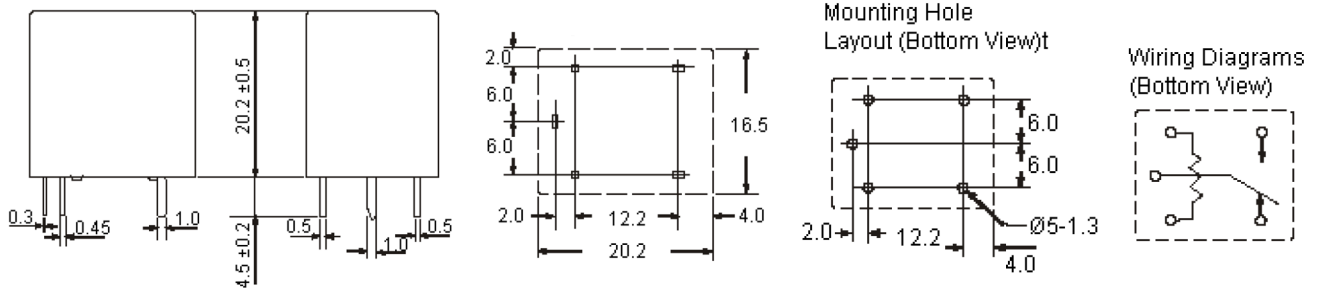
## Vibration Resistance

Endurance : 10 to 55Hz, 1.5mm double amplitude  
Mis-operation : 10 to 50Hz, 1.5mm double amplitude  
Humidity : 35% to 95% RH, +40°C  
Weight : Approximately 12g

## Coil Data Chart

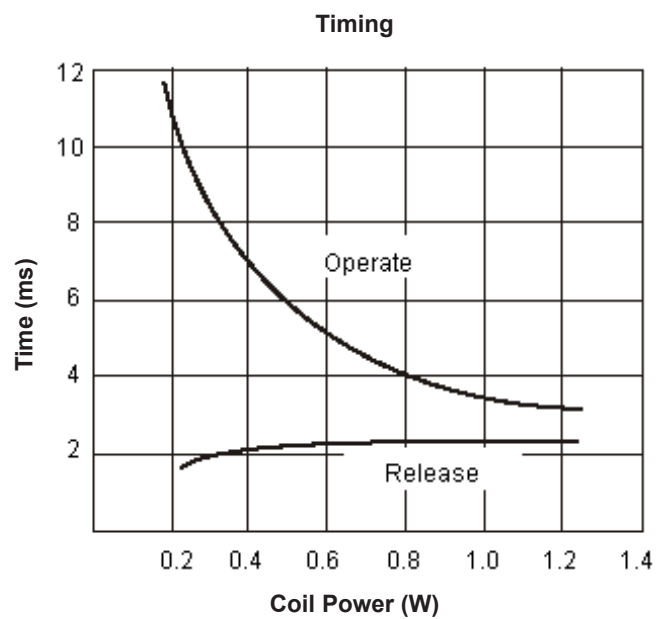
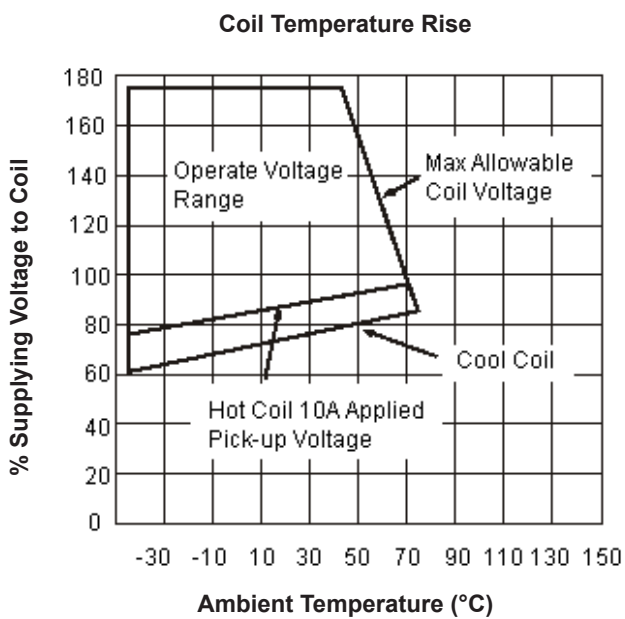
Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ DC	Release Voltage $\geq V$ DC	Coil Power mW	Contact Form	Part Number
12	320	8.40	1.2	450	1 Form C	MC25136
24	1,280	16.8	2.4			MC25137

## Dimensions

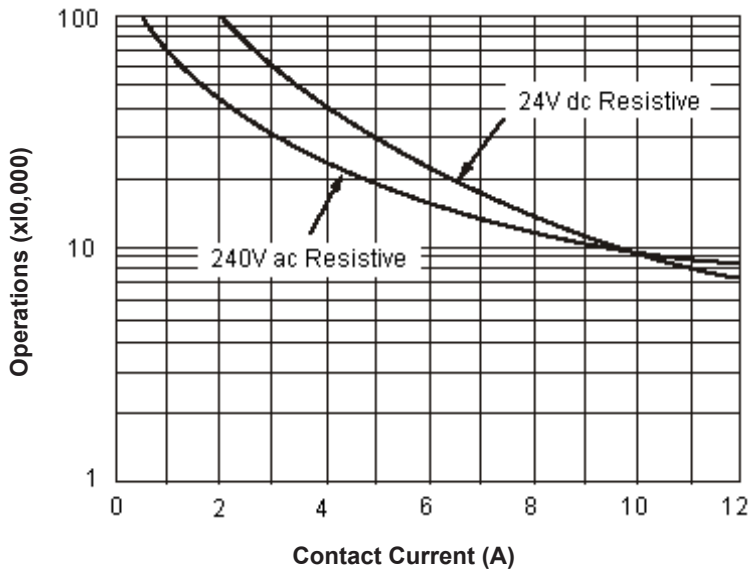


Dimensions : Millimetres

## Characteristic Chart Data



**Life Curves**



**Part Number Table**

Description	Part Number
Relay	MC25136
	MC25137

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