



Contact Data

Contact form	: 1 form C.
Contact material	: AuAg overlay, Ag Alloy.
Contact rating	: 1A 120V ac/24V dc.
Maximum switching voltage	: 220V ac/30V dc.
Maximum switching current	: 2A.
Maximum switching power	: 120VA, 30W.
Minimum switching load	: 5V dc, 10mA.
Maximum contact resistance	: 50mΩ (6V dc 0.1A).

Life

Electrical	: 100,000 operations at nominal load
Mechanical	: 5,000,000 operations.

General Data

Minimum insulation resistance	: 1000MΩ 500V dc.
Dielectric strength	: 750V ac, 1 min between open contacts. 1000V ac, 1 min between coil and contacts.
Surge strength	: 15,000V ac.
Operate time	: Maximum 5ms.
Release time	: Maximum 5ms.
Operate temperature	: -40 to +70°C.

Shock Resistance

Endurance	: 1000m/s ² .
Misoperation	: 100m/s ² .

Vibration Resistance

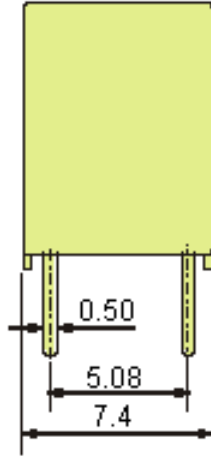
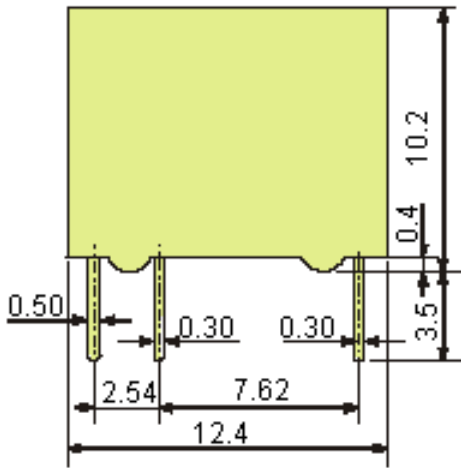
Endurance	: 10 to 55Hz, 1.5mm double amplitude.
Misoperation	: 10 to 55Hz, 1.5mm double amplitude.

Humidity	: 35% to 95%RH, +40°C.
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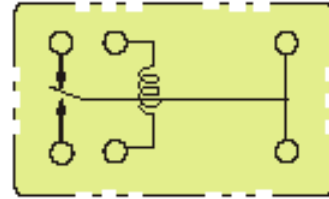
Coil Data Chart 20°C

Nominal Voltage V dc	Coil Resistance Ω ±10%	Operate Voltage ≤ V dc	Release Voltage ≥ V dc	Coil Power mW	Enclosure	Part Number
12	960	9.0	1.20	150	Plastic Sealed Type	MC25122
24	3291	18.0	2.40	175		MC25121
5	167	3.75	0.50	150		MC25120

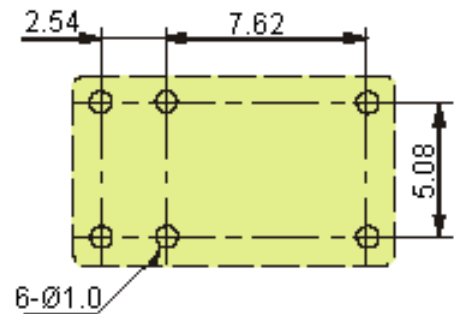
Dimensions (mm)



Wiring Diagrams



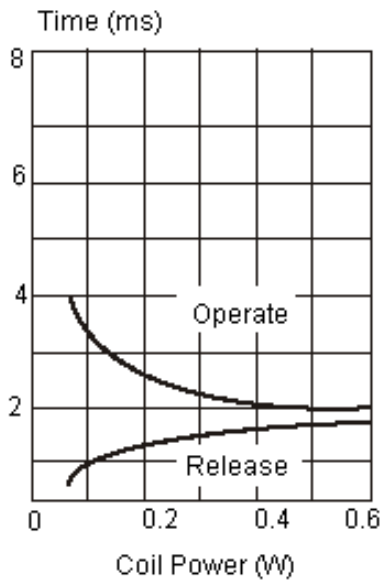
Mounting Hole Layout



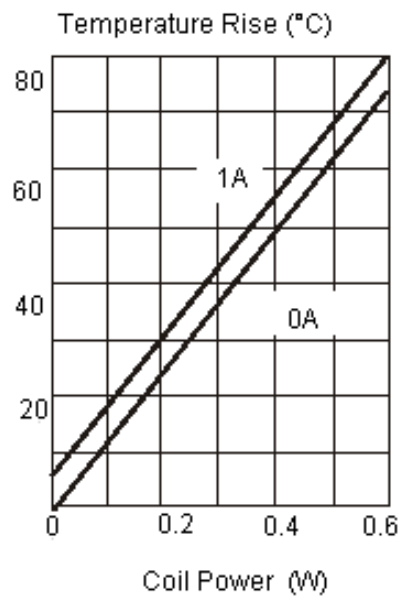
Dimensions : Millimetres

Characteristic Chart Data

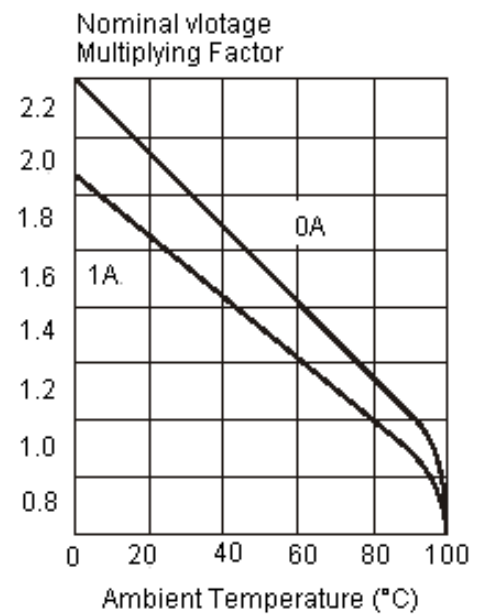
Liming



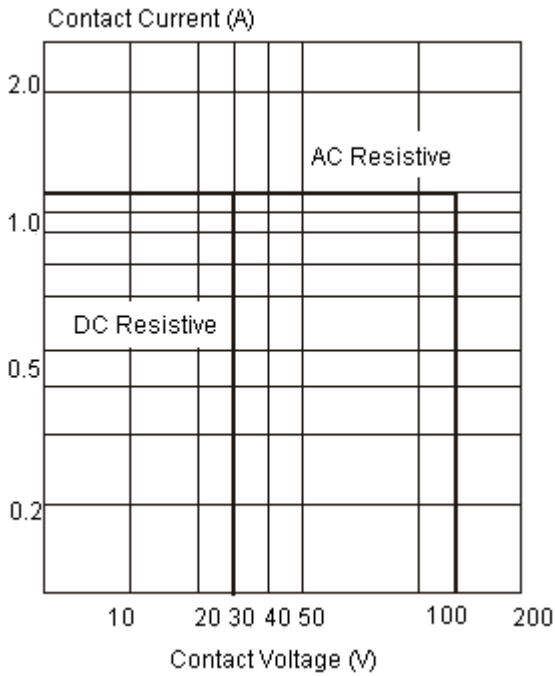
Coil Temperature Rise



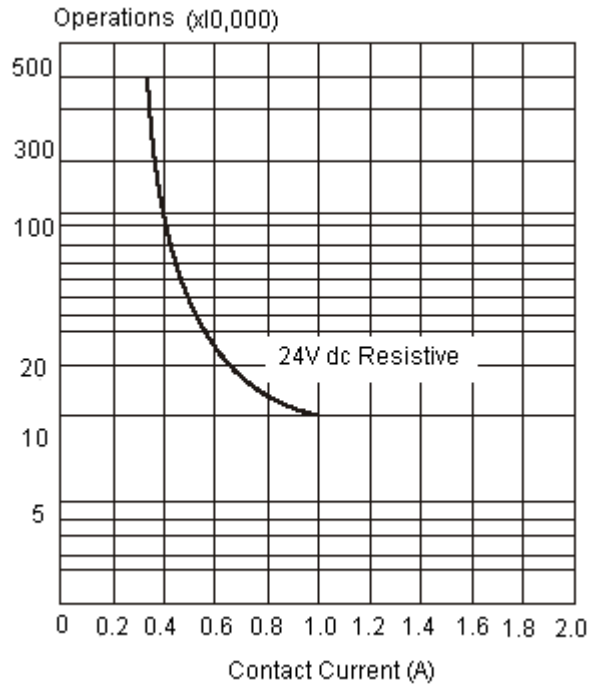
Operating Range



Maximum Switching Power



Life Curves



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