



Coil Data

Nominal Voltage : 12V DC
Coil Resistance : Refer to coil data chart
Operate Voltage : Refer to coil data chart
Release Voltage : Refer to coil data chart
Coil Power : 360mW, 800mW

Contact Data

Contact Form : A-1 form A, C-1 form C
Contact Material : Ag Alloy
Contact Rating : 15 A 14 V dc Resistive (C-1 form C)
20 A 14 V dc Resistive (A-1 form A)
Max. Switching Voltage : 75V DC
Max. Switching Current : 20A
Max. Switching Power : 280W
Contact Resistance : $\leq 100\text{m}\Omega$ (6V DC 1A)

Life

Electrical : 100,000 operations at nominal load
Mechanical : 10,000,000 operations

General Data

Min. Insulation Resistance : 100M Ω 500V DC
Dielectric Strength : 750V AC, 1 min between open contacts
1,000V AC, 1 min between coil and contacts
Max. Operate Time : 15 ms
Max. Release Time : 10 ms
Operate Temperature : -40°C to +85°C

Shock Resistance

Endurance : 1,000 m/s²
Mis-operation : 100 m/s²

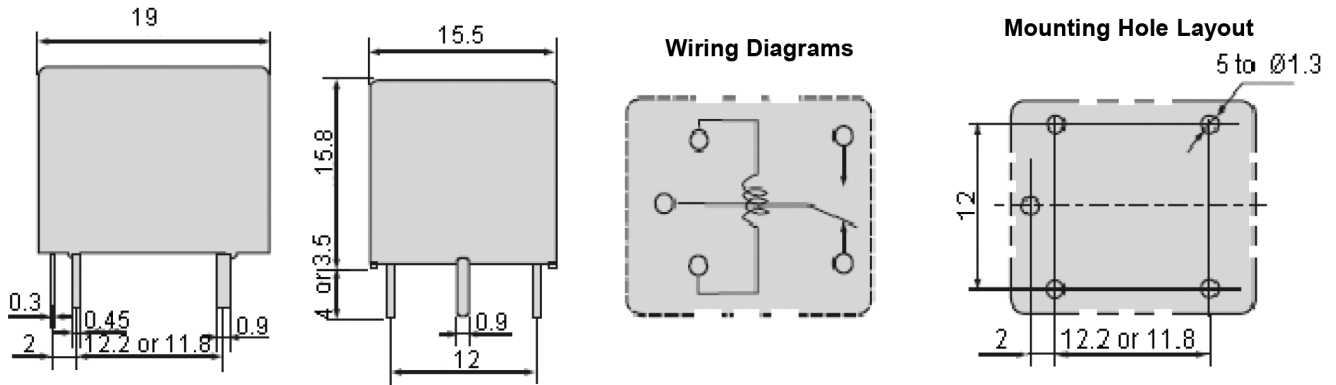
Vibration Resistance

Endurance : 10-55 Hz, double amplitude 1.5 mm
Mis-operation : 10-55 Hz, double amplitude 1.5 mm
Weight : Approximately 10g

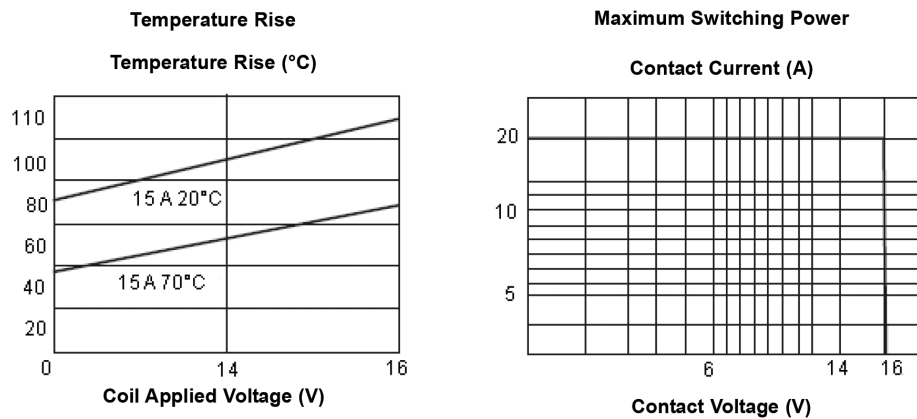
Coil Data Chart 20°C

| Nominal Voltage V DC | Coil Resistance $\Omega \pm 10\%$ | Operate Voltage $\leq V$ DC | Release Voltage $\geq V$ DC | Coil Power mW |
|-------------------------|--------------------------------------|--------------------------------|--------------------------------|------------------|
| 12 | 180 | 7.2 | 1.2 | 800 |

Diagram



Characteristic Chart Data



Part Number Table

| Description | Part Number |
|-----------------------------------|------------------|
| Relay, Auto, SPDT-CO 12V DC, 0.8W | MCCMA1-S-DC12V-C |
| Relay, Auto, SPDT-NO 12V DC, 0.8W | MCCMA1-S-DC12V-A |

Dimensions : Millimetres

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