



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	: 600mW, 800mW

Contact Data

Contact Form	: C-1 form C
Contact Material	: Ag Alloy
Contact Rating	: 20A 14V DC Resistive
Max. Switching Voltage	: 16V DC
Max. Carrying Current	: 35A / 10 minutes. 25A / 1hr
Max. Switching Load	: 35A
Max. Inrush Current	: 60A
Min. Switching Load	: 6V DC 1A
Contact Resistance	: ≤50mΩ (6V DC 1A)

Life

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

General Data

Min. Insulation Resistance	: 100 MΩ 500V DC
Dielectric Strength	: 500V AC, 1 min between open contacts 500V AC, 1 min between coil and contacts
Max. Operate Time	: 10 ms
Max. Release Time	: 10 ms
Operate Temperature	: -30°C to +85°C

General Data

Shock Resistance

Min. Endurance	: 100 m/s ²
Mis-operation	: 1,000 m/s ²

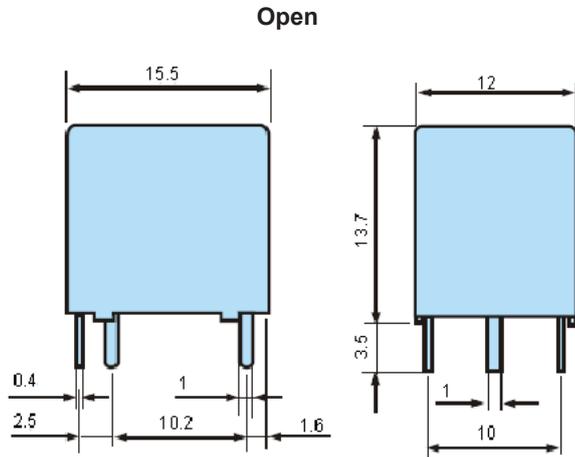
Vibration Resistance

Endurance	: 10-55 Hz, double amplitude 1.5mm
Mis-operation	: 10-55 Hz, double amplitude 1.5mm
Weight	: Approximately 12g Approximately 6g (open)

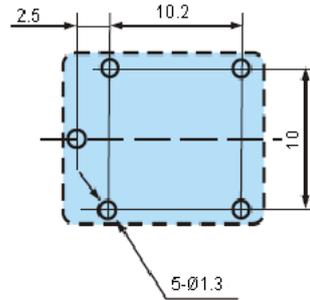
Coil Data Chart 20°C

Nominal Voltage V DC	Coil Resistance Ω ±10%	Operate Voltage ≤V DC	Release Voltage ≥V DC	Coil Power mW
12	180	7.2	1.2	800

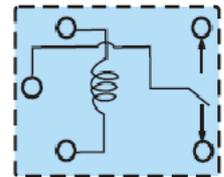
Diagram



Wiring Diagrams

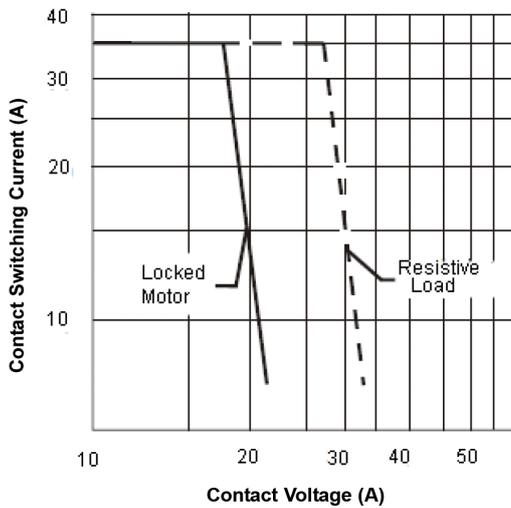


Mounting Hole Layout



Characteristic Chart Data

Maximum Capacity



Part Number Table

Description	Part Number
Relay, Auto, SPDT, 12V DC, 0.8W	MCCMA51-S-DC12V-C

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