

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	: 15A 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

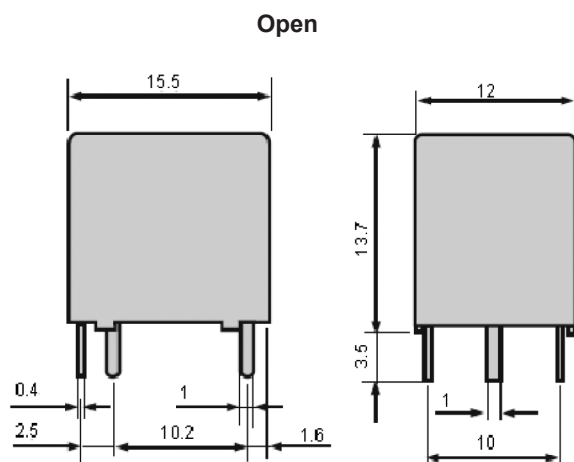
Vibration Resistance

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

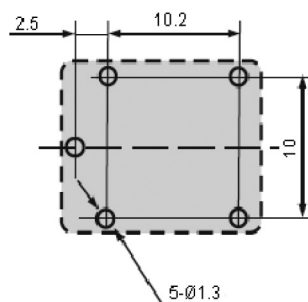
Coil Data Chart 20°C

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

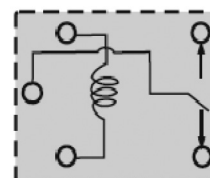
Diagram



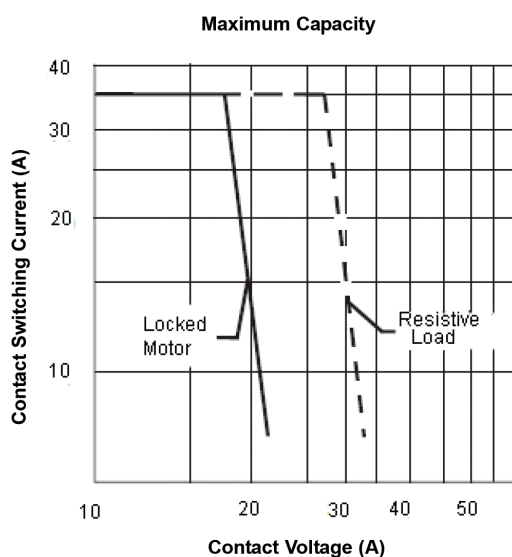
Wiring Diagrams



Mounting Hole Layout



Characteristic Chart Data



Part Number Table

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

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