



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	: 1,600mW

Contact Data

Contact Form	: C-1 form C
Contact Material	: Ag Alloy
Contact Rating	: 30A 14V DC Resistive (1C)
Max. Switching Voltage	: 75V DC
Max. Switching Current	: 40A
Max. Switching Power	: 420W (1C)
Max. Load Current	: 12V DC load voltage

Load	U	
	NO	NC
Contact Rating Current	40A	30A
Max. Make Current	100A	
Max. Break Current	40A	

Contact Resistance : 100mΩ (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	: 5 ms
Max. Release Time	: 3 ms
Operate Temperature	: -40°C to +85°C

General Data

Shock Resistance

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

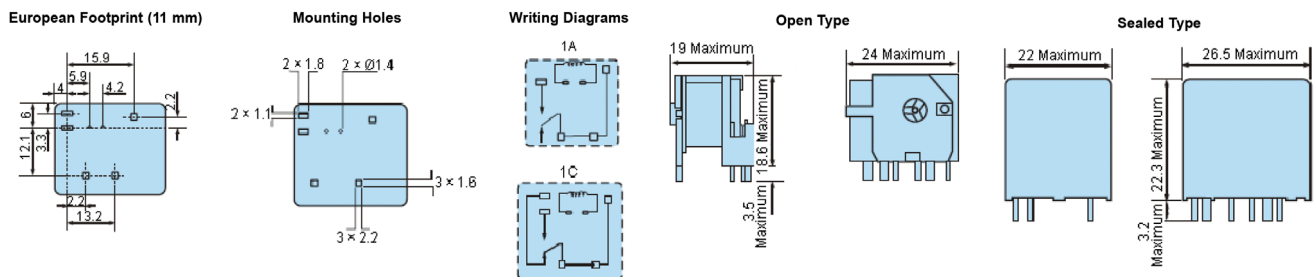
Vibration Resistance

Endurance	: 10-55 Hz, double amplitude 1.5 mm
Mis-operation	: 10-55 Hz, double amplitude 1.5 mm
Weight	: Approximately 21g Approximately 15g (open)

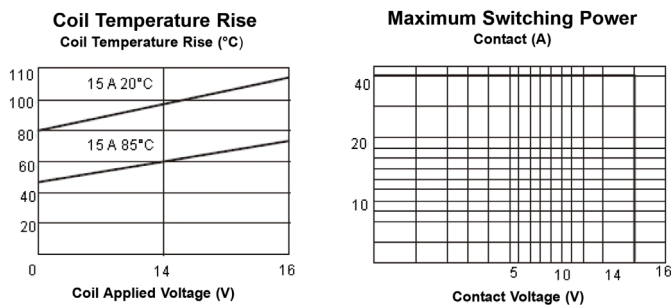
Coil Data Chart 20°C

Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ DC	Release Voltage $\geq V$ DC	Coil Power mW
12	90	7.2	1.2	1,600

Diagram



Characteristic Chart Data



Part Number Table

Description	Part Number
Relay, Auto, SPDT, 12V DC, 1.6W	MCCMA4-S-DC12V-C-E

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