Automotive Relay

multicomp PRO



Coil Data

Nominal Voltage **Coil Resistance Operate Voltage Release Voltage** Coil Power

Contact Data

Contact Form **Contact Material** Contact Rating Max. Switching Voltage Max. Carrying Current Max. Switching Load Max. Inrush Current Min. Switching Load Contact Resistance

- : 12V DC
- : Refer to coil data chart
- : Refer to coil data chart
- : Refer to coil data chart
- : 600mW, 800mW

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- : Ag Alloy : 15A 14V DC Resistive : 16V DC : 35A / 10 minutes. 25A / 1hr : 35A : 60A : 6V DC 1A
- : ≤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					

: -30°C to +85°C

General Data

Operate Temperature

Shock Resistance	
Min. Endurance	: 100 m/s²
Mis-operation	: 1,000 m/s²
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)

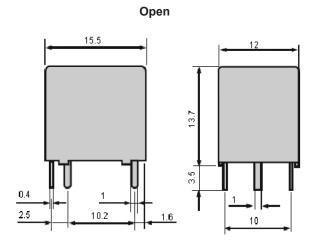
Coil Data Chart 20°C

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

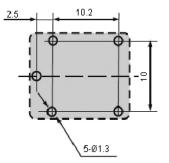
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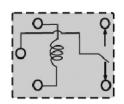
Diagram



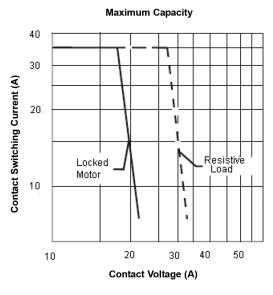
Wiring Diagrams



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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