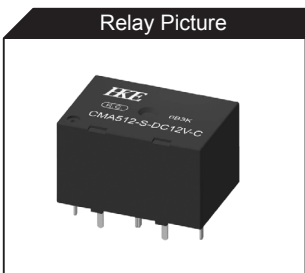
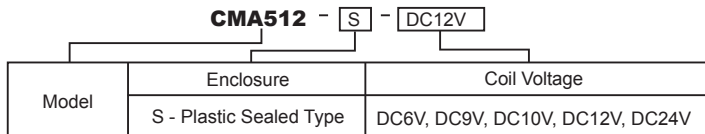




- ### Features
- Miniature automotive twin relay
Dimensions: 23.2×16.0×14.1(mm)
 - High inrush capability: 60A
 - Contains no lead and features cadmium-free contacts ensuring environment-friendly use
 - Applications: car alarm, power window, central locking system, seat adjustment control, etc



ORDERING INFORMATION



Remarks: 1. Contact Form: 2×1 Form C 2. Coil Power: 600mW

SPECIFICATION

CONTACT DATA

Contact Form		2×1 Form C
Contact Material		Ag Alloy
Contact Rating		15A 14VDC Resistive
Contact Resistance		Max. 50mΩ (6VDC 1A)
Load	Min. Switching Load	6VDC 1A
	Max. Continuous Current	35A/10min. 25A/1 Hr
	Max. Switching Load	35A
	Max. Inrush Current	60A
Life	Electrical	100,000 operations
	Mechanical	10,000,000 operations

COIL DATA

Nominal Coil Power	0.6W
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GENERAL DATA

Insulation Resistance		Min. 100MΩ 500VDC
Dielectric Strength	Between open contacts	550VAC, 1min
	Between coil and contacts	550VAC, 1min
Operate Time		Max. 10ms
Release Time		Max. 5ms
Operating Temperature		-40℃ to +85℃
Humidity		35~95%RH, +40℃
Shock Resistance	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10~55Hz, 1.5mm double amplitude
	Misoperation	10~55Hz, 1.5mm double amplitude
Weight		Approximately 12.0g

Note: Data shown are of initial value

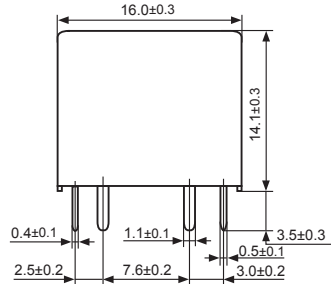
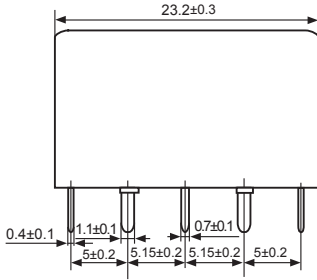
COIL DATA

Ambient Temperature: 23℃

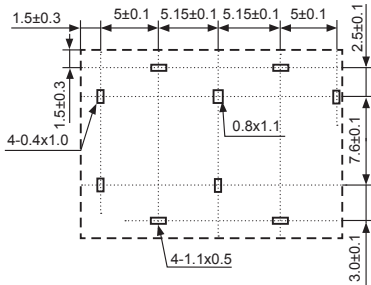
Model	Nominal Voltage VDC	Coil Resistance Ω±10%	Operate Voltage ≤VDC	Release Voltage ≥VDC	Coil Power W
CMA512-S-DC6V	6	60	3.6	0.6	0.6
CMA512-S-DC9V	9	135	5.4	0.9	
CMA512-S-DC10V	10	167	6.0	1.0	
CMA512-S-DC12V	12	240	7.2	1.2	
CMA512-S-DC24V	24	960	14.4	2.4	

OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: MM)

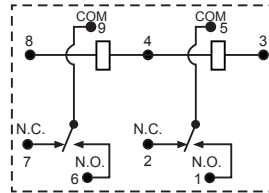
Outline



Mounting Hole Layout
(Bottom View)



Wiring Diagram
(Bottom View)



REFERENCE DATA

Maximum Switching Power

Switching Current (A)

