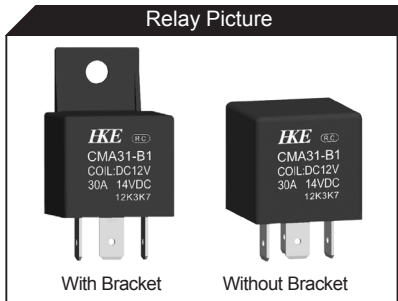
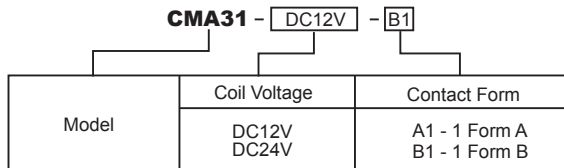




- ### Features
- Automotive relay
 - Dimensions: 27.9×27.9×25.0(mm)
 - Switching capacity : 30A
 - Contact: 1 Form A, 1 Form B



ORDERING INFORMATION



Remark: Available in 2 mounting options, with bracket or without bracket

SPECIFICATION

CONTACT DATA

Contact Form	1 Form A, 1 Form B	
Contact Material	Ag Alloy	
Contact Rating (Resistive)	12VDC:40A 14VDC(A1) 30A 14VDC(B1) 24VDC:20A 28VDC(A1) 10A 28VDC(B1)	
Contact Resistance	Max.100mΩ(6VDC 1A)	
Load	Max. Switching Voltage	75VDC
	Max. Switching Current	40A
	Max. Switching Power	420W
Life	Electrical	50,000 operations
	Mechanical	10,000,000 operations

COIL DATA

Nominal Coil Power	1.6W
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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.10ms
Operating Temperature		-40°C to +85°C
Humidity		35~95%RH, +40°C
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 26g

Note:Data shown are of initial value

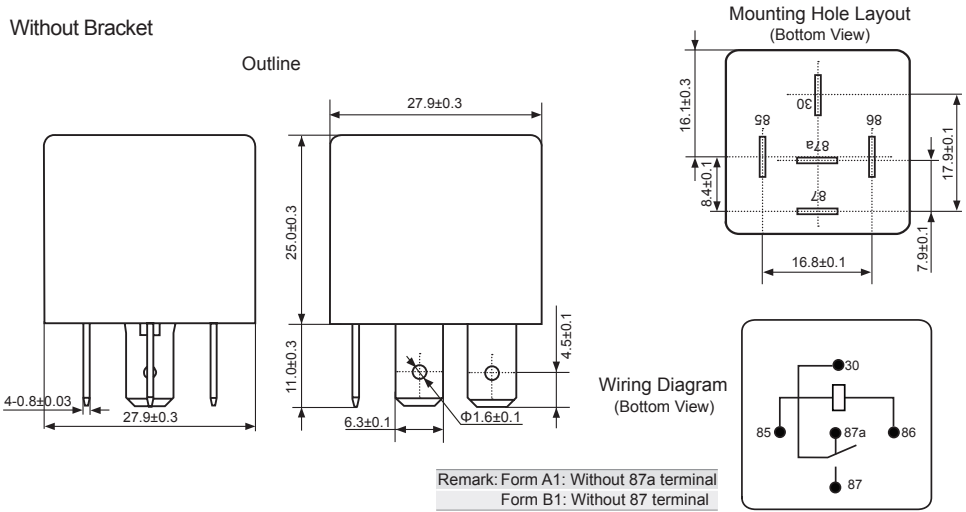
COIL DATA

Ambient Temperature: 23°C

Model	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power W
CMA31-DC12V	12	90.0	8.4	1.2	1.6
CMA31-DC24V	24	360	16.8	2.4	

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

Without Bracket



With Bracket

