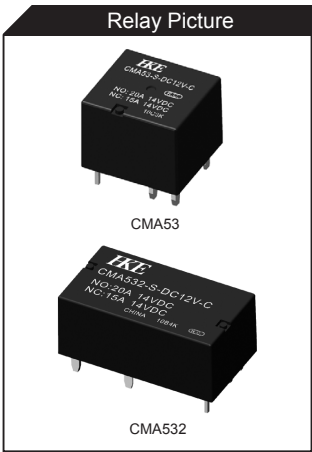




- ### Features
- Small and compact
 - Available in single and twin relay
CMA53 - single relay, CMA532 - twin relay
CMA53 Dimensions: 13.0×12.0×10.0(mm)
CMA532 Dimensions: 23.6×13.0×10.0(mm)
 - High contact capacity 30A
 - Low noise operation
 - Contains no lead and features cadmium-free contacts ensuring environment-friendly use
 - Applications: car alarm, power window, central locking system, seat adjustment control, sunroof motor control, wiper, etc



ORDERING INFORMATION

CMA53 [H] - [S] - [DC12V] - [A]

Model	Coil Sensitivity	Enclosure	Coil Voltage	Contact Form
CMA53	H - High Sensitivity (550mW)	S - Plastic Sealed Type	DC6V, DC10V, DC12V, DC24V	CMA53 A- 1 Form A, C - 1 Form C
CMA532	Blank - Standard (800mW)			CMA532 A- 2×1 Form A, C - 2×1 Form C

Remark: 1. CMA53 single relay, CMA532 twin relay

SPECIFICATION

CONTACT DATA

Contact Form	CMA53: 1 Form A, 1 Form C	
	CMA532: 2×1 Form A, 2×1 Form C	
Contact Material	Ag Alloy	
Contact Rating	NO/NC: 20A/15A 14VDC	
Contact Resistance	Max. 100mΩ (6VDC 1A)	
Load	Max.Continued operation Current	NO: 30A (23°C, 1h) NC: 25A (23°C, 1h)
	Max.Switching Voltage	16VDC
	Max. Switching Current	30A
Life	Electrical	100,000 operations
	Mechanical	10,000,000 operations

COIL DATA

Nominal Coil Power	0.55W, 0.8W
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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. 4ms	
Release Time	Max. 2ms	
Operating Temperature	-40°C to +105°C	
Humidity	35~95%RH, +40°C	
Shock Resistance	Endurance	30g, 6ms
	Misoperation	30g, 6ms
Vibration Resistance	Endurance	10 -500Hz, 6g
	Misoperation	10 -500Hz, 6g
Weight	CMA53: Approximately 4.0g CMA532: Approximately 8.0g	

Note:Data shown are of initial value

COIL DATA

Ambient Temperature: 23°C

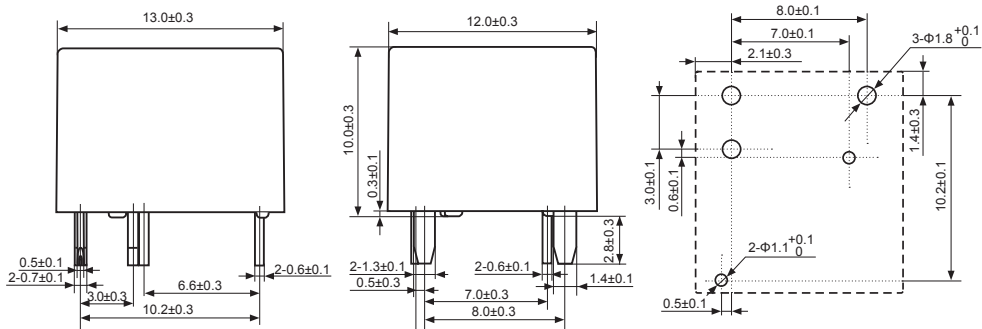
Model	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power W
CMA53H-S-DC6V	6	65	3.5	0.6	0.55
CMA53H-S-DC10V	10	181	5.7	1.0	
CMA53H-S-DC12V	12	261	6.9	1.2	
CMA53H-S-DC24V	24	1047	13.8	2.4	
CMA532H-S-DC6V	6	65	3.5	0.6	
CMA532H-S-DC10V	10	181	5.7	1.0	
CMA532H-S-DC12V	12	261	6.9	1.2	
CMA532H-S-DC24V	24	1047	13.8	2.4	0.8
CMA53-S-DC6V	6	45	3.5	0.6	
CMA53-S-DC10V	10	125	5.7	1.0	
CMA53-S-DC12V	12	180	6.9	1.2	
CMA53-S-DC24V	24	720	13.8	2.4	
CMA532-S-DC6V	6	45	3.5	0.6	
CMA532-S-DC10V	10	125	5.7	1.0	
CMA532-S-DC12V	12	180	6.9	1.2	
CMA532-S-DC24V	24	720	13.8	2.4	

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

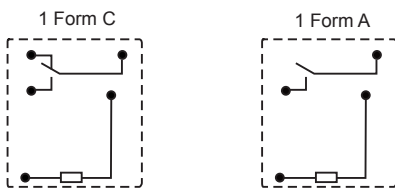
CMA53

Outline

Mounting Hole Layout
(Bottom View)



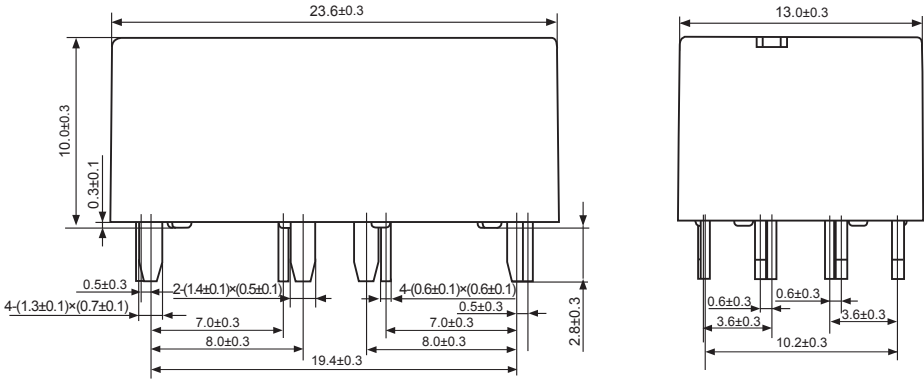
Wiring Diagram
(Bottom View)



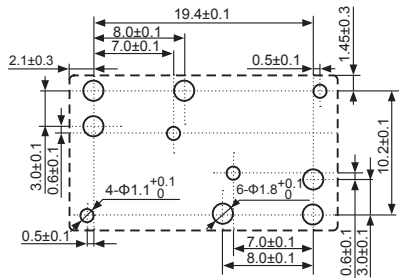
OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

CMA532

Outline



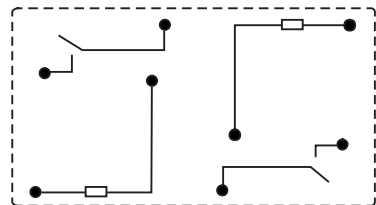
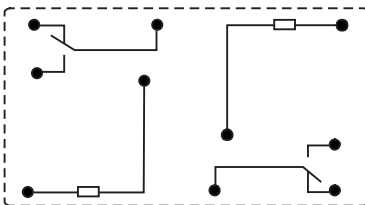
Mounting Hole Layout
(Bottom View)



Wiring Diagram
(Bottom View)

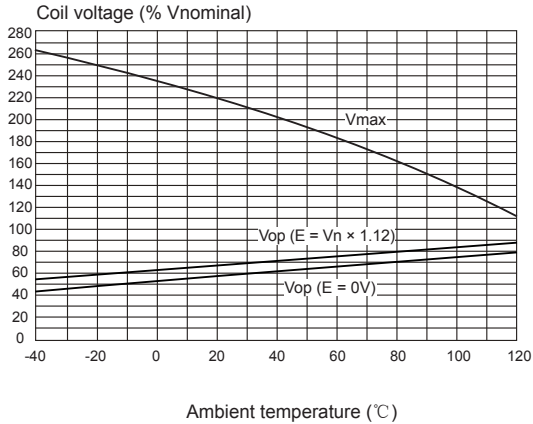
1 Form C

1 Form A



REFERENCE DATA

Operating voltage range



Does not take into account temperature rise due to contact current

Vop = Operation Voltage

E = Pre-energization