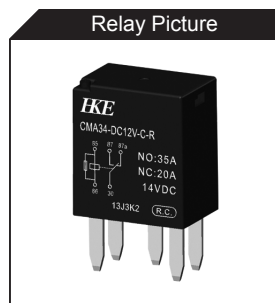




- ### Features
- Microminiature: 22.5×15.0×25.0mm
 - 125°C of operating ambient temperature
 - 2.8mm of Flat quick connection terminal
 - Compliance to Rohs、ELV Directive



ORDERING INFORMATION

CMA34 - S - DC12V - A - R

	Enclosure	Coil Voltage	Contact Form	Parallel Electronic Component
Model	S - Plastic Sealed Type Blank - Bayonet type	DC12V DC24V	A - 1 Form A C - 1 Form C	Blank-Standard R- With Resistor (12V - 680Ω, 24V - 2700Ω) D - With Diode

SPECIFICATION

CONTACT DATA

Contact Form	1 Form A, 1 Form C	
Contact Material	Ag Alloy	
Contact Rating (Resistive)	NO/NC:35A/20A 14VDC NO/NC:20A/10A 28VDC	
Contact Resistance	Max.50mΩ(6VDC 1A)	
Load	Max. Switching Voltage	40VDC
	Max. Switching Current	Make:150A ⁽¹⁾ Break:35A
	Max.Continuous Current	35A(125°C,1h)
	Min. Switching Load	1A 6VDC
Life	Electrical	100,000operations
	Mechanical	10,000,000operations

GENERAL DATA

Insulation Resistance	Min.100MΩ 500VDC	
Dielectric Strength	Between open contacts	550VAC,50/60Hz,1 min
	Between coil and contacts	550VAC,50/60Hz,1 min
Operate Time	Max.10ms	
Release Time	Max.10ms	
Operating Temperature	-40°C to +125°C	
Humidity	35~85%RH	
Shock Resistance ⁽²⁾	20G(≤1ms)	
Vibration Resistance ⁽²⁾	10~40Hz,1.27mm double amplitude	
	40~70Hz,49m/s ²	
	70~100Hz,0.5mm double amplitude	
	100~500Hz,98m/s ²	
Weight	Approximately20.0g	

COIL DATA

Nominal Coil Power	12V: 1.2W,24V: 1.4W	
Nominal Coil Power (With Resistor)	12V: 1.4W,24V: 1.6W	
Max. Permitted Coil Voltage	1.2W: 20.4VDC(23°C),14.9VDC(85°C)	
	1.4W: 36VDC(23°C), 28VDC(85°C)	

Note:Data shown are of initial value

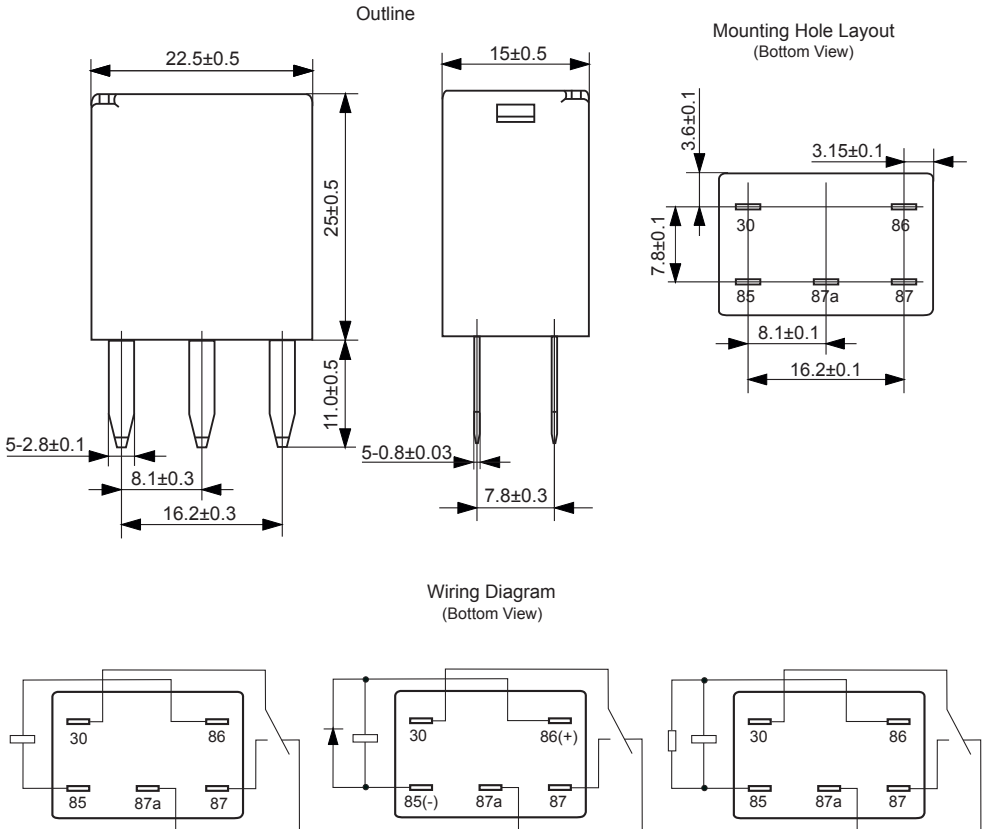
Remark:(1) Surge current for lamp
(2)The open time for Closed contact and the closed time for open contact is not more than 1ms

COIL DATA

Ambient Temperature: 23°C

Model	Nominal Voltage VDC	Coil Resistance Ω \pm 10%	Parallel Resistance Ω \pm 5%	Equivalent Resistance Ω \pm 10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power W
CMA34-(S)-DC12V	12	124	-	-	7.2	1.2	1.2
CMA34-(S)-DC12V (R)	12	124	680	104.9	7.2	1.2	1.4
CMA34-(S)-DC24V	24	420	-	-	14.4	2.4	1.4
CMA34-(S)-DC24V (R)	24	420	2700	363.4	14.4	2.4	1.6

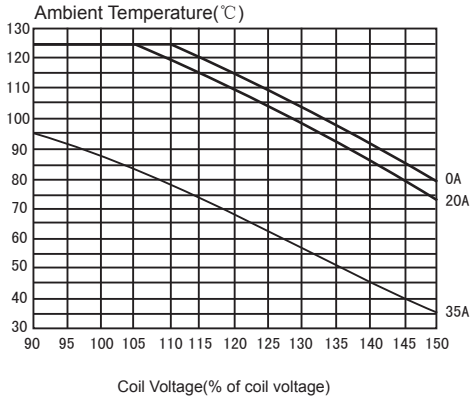
OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)



REFERENCE DATA

The range of coil continuous voltage

The range of coil continuous voltage for 12VDC



Note:
 (1) It is available for no load when Max. continuous coil voltage is energized to relay.
 (2) The Max. permitted temperature of coil is 180°C.