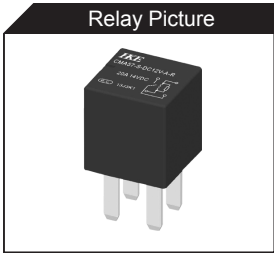
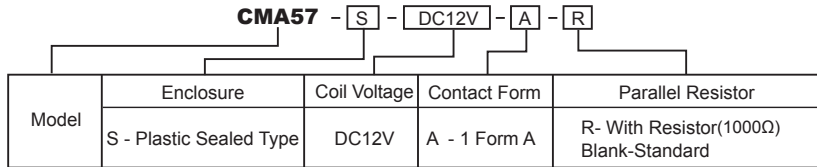




- ### Features
- Microminiature: (15.6×15.2×16.5)mm
 - 125°C of operating ambient temperature
 - 2.8mm of Flat quick connection terminal
 - Compliance to Rohs、ELV Directive



ORDERING INFORMATION



SPECIFICATION

CONTACT DATA

Contact Form	A- 1 Form A		
Contact Material	Ag Alloy		
Contact Rating	20A 14VDC		
Contact Resistance	Max.50mΩ		
Load	Max.Continuous Current	20A	
	Max.Switching Current	Make:100A Break:30A	
	Min.Switching Load	6VDC 1A	
Life	Electrical	100,000 operations	
	Mechanical	1,000,000 operations	

COIL DATA

Nominal Coil Power	0.95W
Nominal Coil Power(With Resistor)	1.1W

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℃ to +125℃
Humidity		5~85%RH
Shock Resistance		196m/s ² (20g)
Vibration Resistance	10Hz~40Hz,1.27mm Double Amplitude	
	40Hz~70Hz,49m/s ² (5g)	
	70Hz~100Hz,0.5mm Double Amplitude	
	100Hz~500Hz,98m/s ² (10g)	
Weight		10g

Note:Data shown are of initial value

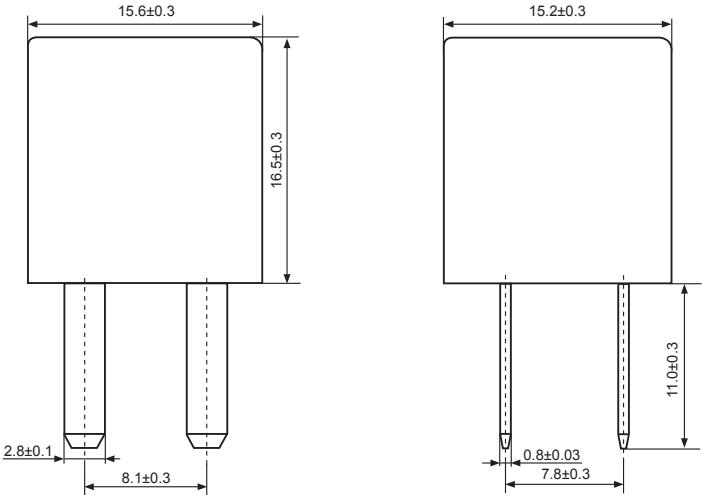
COIL DATA

Ambient Temperature: 23℃

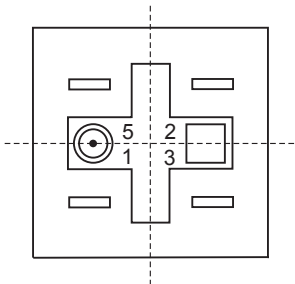
Model	Nominal Voltage VDC	Coil Resistance Ω+/-10%	Parallel resistor (1±5%)Ω	Equivalent Resistance Ω+/-10%	Operate Voltage ≤VDC	Release Voltage ≥VDC	Coil Power W
CMA57-S-DC12V-A	12	155	-	-	7.2	1.2	0.95
CMA57-S-DC12V-A-R	12	155	1000	135	7.2	1.2	1.1

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

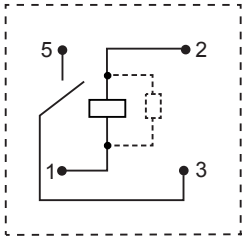
Outline



Mounting Hole Layout
 (Bottom View)



Wiring Diagram
 (Bottom View)



Note: The degree of vertical for terminals is 0.3mm.