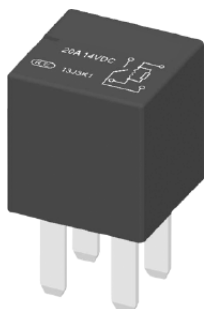


RoHS
Compliant



Features

- Microminiature: 15.6mm × 15.2mm × 16.5mm
- 125°C of operating ambient temperature
- 2.8mm of Flat quick connection terminal

Specification

Contact Data		
Contact Form		A- 1 Form A
Contact Material		Ag Alloy
Contact Rating		12V: 20A 14V DC 24V: 15A 28V DC
Contact Resistance		Max. 50mΩ
Load	Max. Continuous Current	20A
	Max. Switching Current	Make: 100A Break: 30A
	Min. Switching Load	6V DC 1A
Life	Electrical	100,000 operations
	Mechanical	10,000,000 operations
Coil Data		
Nominal Coil Power		0.95W
Nominal Coil Power(With Resistor)		1.1W
General Data		
Insulation Resistance		Min.100MΩ 500V DC
Dielectric Strength	Between open contacts	550V AC,50/60Hz,1 min
	Between coil and contacts	
Operate Time		Max. 10ms
Release Time		
Operating Temperature		-40°C to +125°C
Humidity		5-85%RH
Shock Resistanc		196m/s² (20g)
Vibration Resistance		10Hz-40Hz,1.27mm Double Amplitude, 40Hz-70Hz,49m/s² (5g) 70Hz-100Hz,0.5mm Double Amplitude, 100Hz-500Hz,98m/s² (10g)
Weight		Approximately 10g

Note:Data shown are of initial value

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

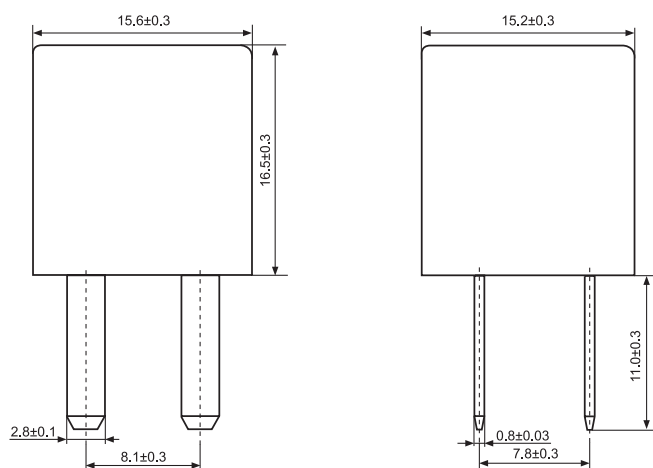
Coil Data

Ambient Temperature: 23°C

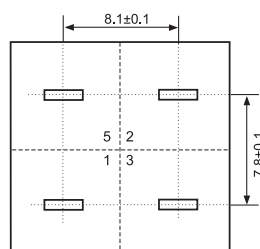
Model	Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	Parallel resistor ($1 \pm 5\%$) Ω	Equivalent Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ DC	Release Voltage $\geq V$ DC	Coil Power W
MPCMA57-S-DC12V-A-R	12	155	1000	135	7.2	1.2	1.1

Outline, Wiring Diagram, Mounting Hole Layout

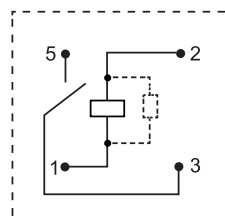
Outline



Mounting Hole Layout
(Bottom View)



Wiring Diagram
(Bottom View)



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

Part Number Table

Description	Part Number
Automotive Relay, Quick Connect Type, NO, 1.1W, 20A	MPCMA57-S-DC12V-A-R

Dimensions : Millimetres

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