



Features

- Microminiature: 22.5mm × 15.0mm × 25mm
- 125°C of operating ambient temperature
- 2.8mm of Flat quick connection terminal

**RoHS
Compliant**

Specification

Contact Data		
Contact Form		1 Form A, 1 Form C
Contact Material		Ag Alloy
Contact Rating (Resistive)		NO/NC: 35A/20A 14V DC NO/NC: 20A/10A 28V DC
Contact Resistance		Max. 50mΩ (6V DC 1A)
Load	Max. Switching Voltage	40V DC
	Max. Switching Current	Make:150A ⁽¹⁾ Break: 35A
	Max.Continuous Current	35A (125°C,1h)
	Min. Switching Load	1A 6V DC
Life	Electrical	100,000 operations
	Mechanical	10,000,000 operations
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: 20.4V DC(23°C),14.9V DC(85°C)
		1.4W: 36V DC(23°C), 28V DC(85°C)
General Data		
Insulation Resistance		Min. 100MΩ 500V DC
Dielectric Strength	Between open contacts	550V AC,50/60Hz, 1 min
	Between coil and contacts	550V AC,50/60Hz, 1 min
Operate Time		Max. 10ms
Release Time		Max. 10ms
		Max. 20ms (With Diode)
Operating Temperature		-40°C to +125°C
Humidity		35-85%RH
Shock Resistanc ⁽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		Approximately18g

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

Note:Data shown are of initial value

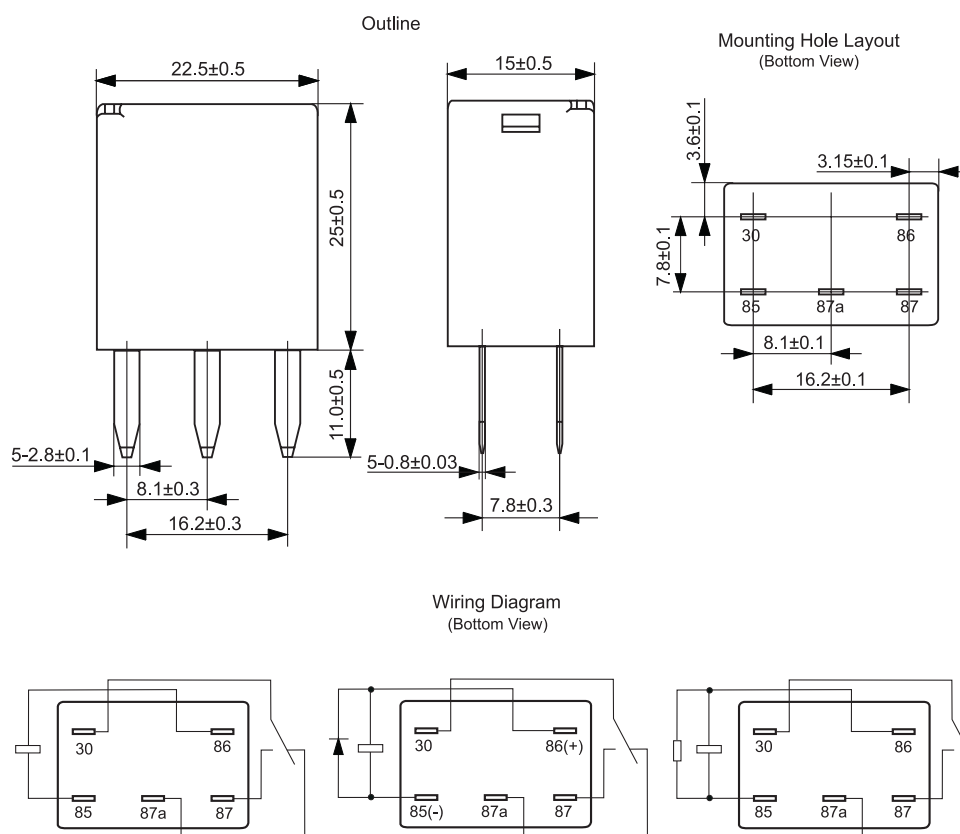
Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

Coil Data

Ambient Temperature: 23°C

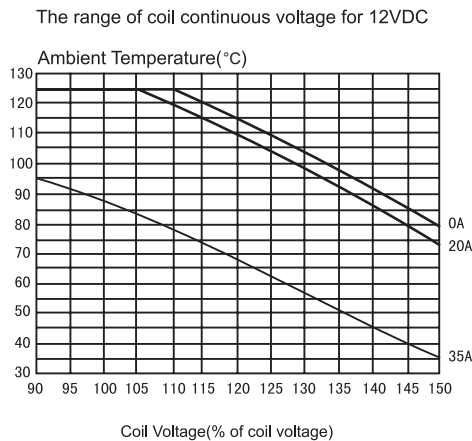
Model	Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	Parallel Resistance $\Omega \pm 5\%$	Equivalent Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ DC	Release Voltage $\geq$ VDC	Coil Power W
MPCMA34-DC12V-A-R	12	124	--	--	7.2	1.2	1.2
MPCMA34-DC12V-C-R			680	104.9			1.4
MPCMA34-DC24V-A-R	24	420	--	--	14.4	2.4	1.4
MPCMA34-DC24V-C-R			2700	363.4			1.6

Outline, Wiring Diagram, Mounting Hole Layout



Dimensions : Millimetres

The range of coil continuous voltage



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.

Part Number Table

Description	Part Number
Automotive Relay, Quick Connect Type, NO, 1.4W, 35A, Unsealed	MPCMA34-DC12V-A-R
Automotive Relay, Quick Connect Type, NO/NC, 1.4W, 35A/20A, Unsealed	MPCMA34-DC12V-C-R
Automotive Relay, Quick Connect Type, NO, 1.6W, 35A, Unsealed	MPCMA34-DC24V-A-R
Automotive Relay, Quick Connect Type, NO/NC, 1.6W, 35A/20A, Unsealed	MPCMA34-DC24V-C-R

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