# 30 Amp Automotive Plug-In Power Relay — PC764




## FEATURES

- Direct Insert Mounting
- Contact Switching Capacity up to 40 Amps
- Internal Resistors Available
- RoHS Compliant

## CONTACT RATINGS 14 VDC

| | |
|---|---|
| Contact Form | 1 Form A |
| | (SPST-NO) |
| Max Switching Current | 40 A |
| Max Switching Power | 560 Watts |
| Max Switching Voltage | 75 VDC |
| Max Continuous Current | 40 A |

## CONTACT DATA

| | | |
|---|---|---|
| Material | | $AgSnO_2$ |
| Initial Contact Resistance | | 50 mΩ |
| Service Life | Electrical | 1 x $10^5$ Operations |
| | Mechanical | 1 x $10^7$ Operations |

## CHARACTERISTICS

| | |
|---|---|
| Operate Time | 10 msec or less (without coil suppression) |
| Release Time | 7 msec or less (without coil suppression) |
| Insulation Resistance | 100 MΩ min at 500VDC, |
| Dielectric Strength | 500 V 50 Hz between contacts<br>750 V 50 Hz between coil and contacts |
| Shock Resistance | 100m/ss 11 ms |
| Vibration Resistance | 10 Hz - 55 Hz Double Amplitude 1.5 mm |
| Terminal Strength | 10N |
| Ambient Temperature Range | -40 to 105°C Operating |
| Relative Humidity | 85% (45°C) |
| Weight | 35grams |
| Power Consumption | 1.5 W |

## ORDERING INFORMATION

| Example: | PC763 | -1C | -12 | S | -R | -X |
|---|---|---|---|---|---|---|

Model: **PC763**

Contact Form: **1A**

Coil Voltage: **12, 24**

Enclosure: **C**: Dust Cover, **S**: Sealed

Parallel Component: **Nil**: None; **R**: Resistor;

RoHS Compliant: **-X**

Box Quantity: 500; Inner Box: 250

3220 Commander Drive, Suite 102 Carrollton, TX 75006
Sales: (972) 713-6272 (888) 997-3933 Fax: (972)735-0964
www.PickerComponents.com
e-mail: sales@pickercomponents.com

Dimensions are listed for reference purposes only.

Specifications and Availability subject to change without notice.

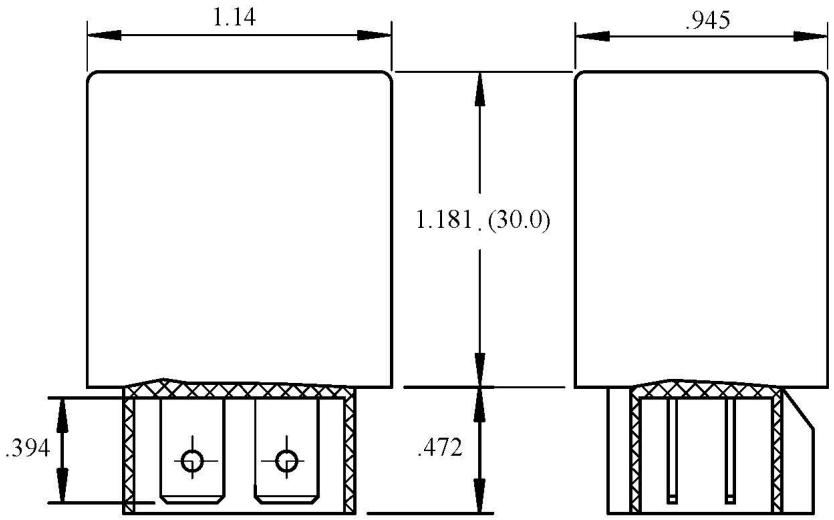
## COIL DATA

| Coil Voltage (VDC) | | Resistance (Ohms ± 10%) | Must Operate Voltage Max (VDC) | Must Release Voltage Min. (VDC) |
|---|---|---|---|---|
| Rated | Max | | | |
| 12 | 15.6 | 96 | 7.8 | 0.96 |
| 24 | 31.2 | 384 | 15.6 | 1.92 |

### NOTES:

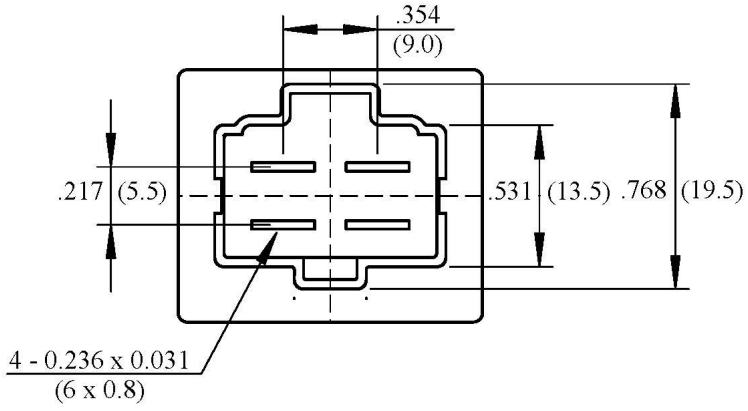
The use of any coil voltage less that the rated voltage will compromise the operation of the relays. Must Operate Voltage is listed for test purposes only and is not to be used as design criteria. Pickup and release voltages are for test purposes only and are not to be used as design criteria.
Dimensions are in mm, Inches are listed for reference only.

## DIMENSIONS inches/(mm)

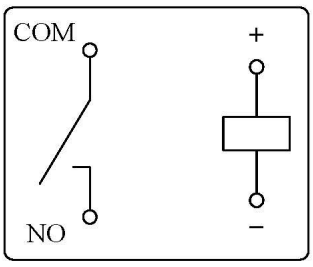



**Relay (Front View)**

**Relay (Side View)**




**Terminal Layout (Bottom View)**




**Wire Diagram**

3220 Commander Drive, Suite 102 Carrollton, TX 75006
Sales: (972) 713-6272 (888) 997-3933 Fax: (972)735-0964
www.PickerComponents.com
e-mail: sales@pickercomponents.com

Dimensions are listed for reference purposes only.
Specifications and Availability subject to change without notice.