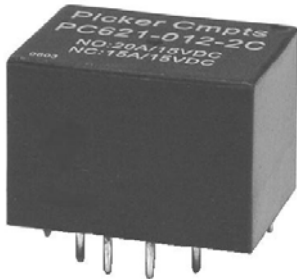


Subminiature Automotive PCB Twin Power Relay

PC621



FEATURES

- Subminiature twin relay
- 2 X 1A and 2 X 1C contact forms available
- 15 and 20 amp versions available
- Sealed, immersion cleanable
- Coils can be used together or independently
- Uniquely Designed for motor reversing

CONTACT RATINGS

| Contact Form | Normally Open | Normally Closed |
|------------------------|------------------|------------------|
| Max Switching Current | 20 amps @ 15 VDC | 15 amps @ 15 VDC |
| | 15 amps @ 24VDC | 10 amps @ 24VDC |
| Max. Switching Voltage | 30 VDC | 30 VDC |
| Minimum Load | 0.1 Amps @ 5 VDC | |

CONTACT DATA

| | | |
|----------------------------|--|--------------------------------|
| Material | AgCdO (silver cadmium oxide) AgSnO (silver tin oxide) | |
| Initial Contact Resistance | 100 milliohms max @ 0.1A, 6VDC | |
| Service Life | Mechanical | 1 X 10 ⁷ Operations |
| | Electrical | 1 X 10 ⁵ Operations |

CHARACTERISTICS

| | |
|---------------------------|---|
| Operate Time | 10 ms. typical |
| Release Time | 5 ms. typical |
| Insulation Resistance | 100 megohms min, at 500VDC, 50%RH |
| Dielectric Strength | 1000 Vrms, 1 min. between coil and contacts |
| Shock Resistance | 30 g, 6 ms, functional; 100 g, destructive |
| Vibration Resistance | 6g, 10 - 500 Hz |
| Drop Resistance | 1 Meter height drop on concrete |
| Power Consumption | 0.45 W |
| Ambient Temperature Range | -30 to 85 degrees C operating, -40 to 125 storage |
| Weight | 15 grams approx. |

ORDERING INFORMATION

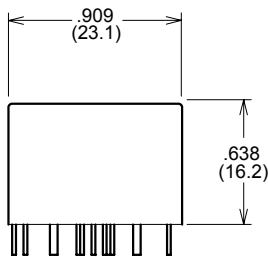
| | | | | | |
|------------------|-----------------------------------|-----|-----|---|---|
| Example: | PC621 | -2C | -12 | S | C |
| Model | | | | | |
| Contact Form | 2A: 2 X 1A or 2C: 2 X 1C | | | | |
| Coil Voltage | | | | | |
| Enclosure | C: Dust Cover, S: Sealed Case | | | | |
| Contact Material | Nil: AgSnO, C: AgCdO, T: AgSnOInO | | | | |

COIL DATA

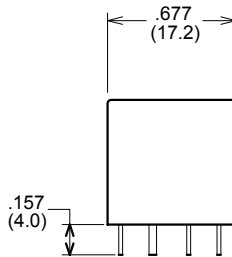
| Coil Voltage | Resistance ohms \pm 10% | Must Operate Voltage Max. VDC | Must Release Voltage Min. VDC | Coil Power Consumption W |
|--------------|------------------------------|-------------------------------------|-------------------------------------|--------------------------------|
| 5 | 56 | 3.75 | 0.25 | 0.45 |
| 6 | 80 | 4.50 | 0.30 | |
| 9 | 180 | 6.75 | 0.45 | |
| 12 | 320 | 9.00 | 0.60 | |
| 18 | 720 | 13.5 | 0.90 | |
| 24 | 1280 | 18.0 | 1.20 | |

Dimensions in Inches (millimeters)

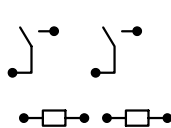
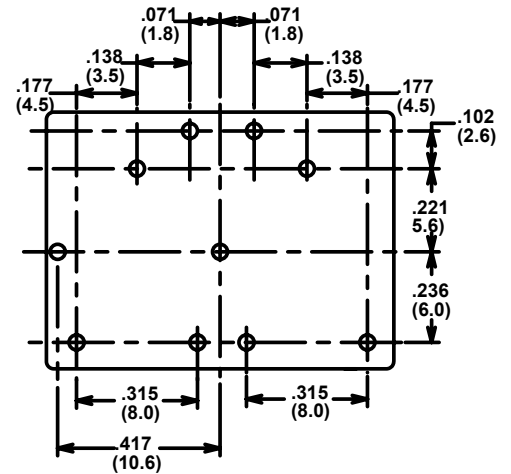
Side View



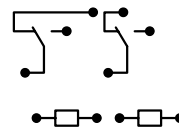
End View



**Bottom View
PC Board Layout**



2 Form A



2 Form C

**Wiring Diagrams
Bottom View**

Tolerances \pm .010 unless otherwise noted



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