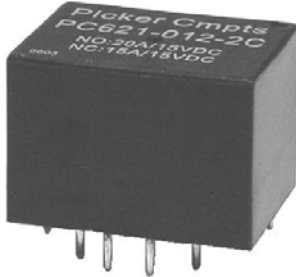


Subminiature Automotive PCB Twin Power Relay

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

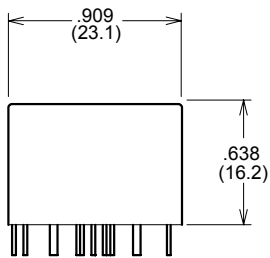
Example:	PC621	-2C	-12	S	C
Model					
Contact Form	2A: 2 X 1A or 2C: 2 X 1C				
Coil Voltage					
Enclosure	C: Dust Cover, S: Sealed Case				
Contact Material	Nil: AgSnO, C: AgCdO, T: AgSnOInO				

COIL DATA

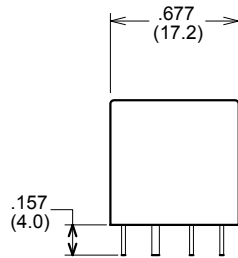
Coil Voltage	Resistance ohms $\pm 10\%$	Must Operate Voltage Max. VDC	Must Release Voltage Min. VDC	Coil Power Consumption W
5	56	3.75	0.25	0.45
6	80	4.50	0.30	
9	180	6.75	0.45	
12	320	9.00	0.60	
18	720	13.5	0.90	
24	1280	18.0	1.20	

Dimensions in Inches (millimeters)

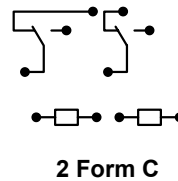
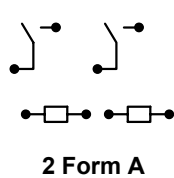
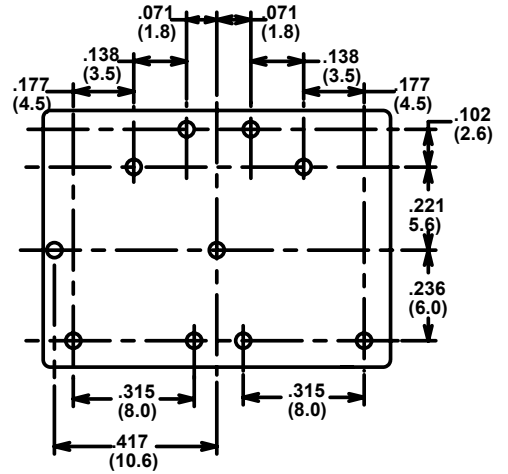
Side View



End View



**Bottom View
PC Board Layout**



**Wiring Diagrams
Bottom View**

Tolerances $\pm .010$ unless otherwise noted



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