

## 20 Amp Minature PCB Power Relay

## PC379



### FEATURES

- 20 Amp contact capacity
- 1 Form A contact form
- 4.5 KV dielectric strength between coil and contacts
- .250 quick connect terminals available for load
- 1 Hp @ 250 VAC
- Meets UL 873 spacing
- Sealed, immersion cleanable



File # E93379

### UL/CUR RATINGS

Load Type	All Forms All Contacts
General Use	20 Amps @ 120 VAC, 250 VAC & 30 VDC
Resistive	20 Amps @ 120 VAC, 250 VAC & 30 VDC
Motor	1 Hp @ 250 VAC, 1/2 Hp @ 125 VAC

### CONTACT DATA

Material		AgCdO (Silver Cadmium Oxide)
Initial Contact Resistance		30 milliohms max @ 0.1A, 6VDC
Service Life	Mechanical	5 X 10 <sup>5</sup> Operations
	Electrical	1 X 10 <sup>5</sup> Operations

### CHARACTERISTICS

Operate Time	20 ms. Max.
Release Time	10 ms. Max.
Insulation Resistance	1,000 megohms min, at 500VDC, 50%RH
Dielectric Strength	4500 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts
Shock Resistance	20 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 1.5 mm, 10 - 55 Hz
Power Consumption	.9 Watts
Ambient Temperature Range	-25 to 55 C, -40 to 130 C storage
Weight	23 grams approx.

### ORDERING INFORMATION

Example:	PC379	-1A	-12	P	F
Model					
Contact Form					
1A					
Coil Voltage					
Terminal Type					
Nil: QC + PC, P: All PC					
Insulation Material					
Nil: Class B, F: Class F (155 degrees C)					

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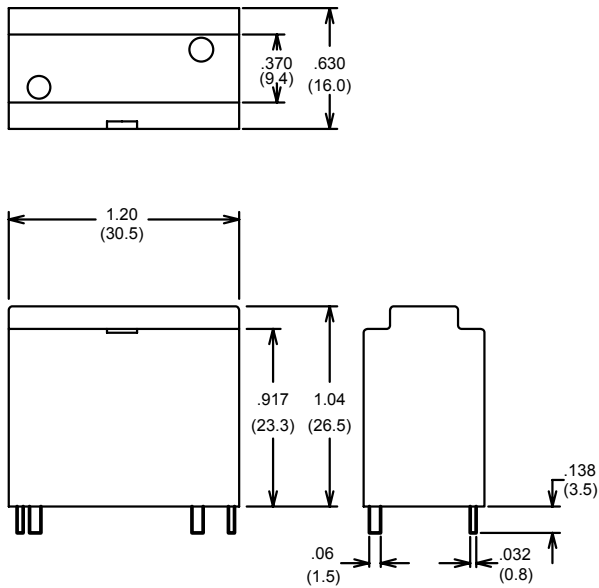
**COIL DATA**

Coil Voltage	Resistance ohms $\pm$ 10%	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
5	28	3.50	0.5	5.5
12	160	8.40	1.2	13.2
24	640	16.8	2.4	26.4

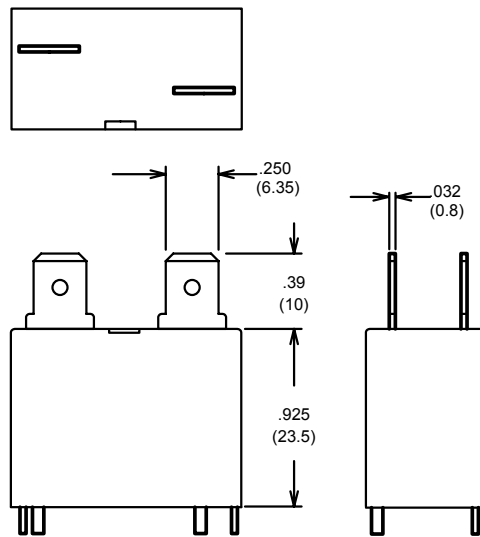
Note: Custom coil voltages within the ranges shown are available on special order.

**Dimensions in Inches (millimeters)**

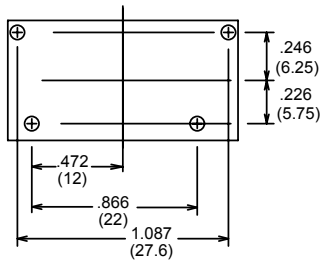
**PC Version**



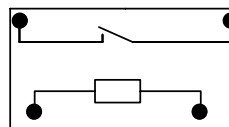
**QC + PC Version**



**Bottom View  
PC Board Layout**



**Wiring Diagram**



Notes:

Tolerances  $\pm$  .010 unless otherwise noted



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