

## 20 Amp Minature PCB Power Relay

## PC393



### FEATURES

- 20 Amp contact capacity
- 1 Form A, 1Form B & 1 form C contact forms available
- 4 KV dielectric strength between coil and contacts
- 10 mm creepage distance between coil and contacts
- Sensitive version available
- Meets UL 873 spacing
- Sealed, immersion cleanable
- **Now available Lead Free & RoHS Compliant**



File # E93379

### UL/CUR RATINGS

Load Type	All Forms All Contacts
General Use	16 Amps @ 120 VAC, 240 VAC & 24 VDC
Resistive	20 Amps @ 120 VAC, 277 VAC & 24 VDC
Motor	1 HP @ 240VAC

### CONTACT DATA

Material		AgCdO (Silver Cadmium Oxide)
Initial Contact Resistance		50 milliohms max @ 1A, 6VDC
Service Life	Mechanical	1 X 10 <sup>7</sup> Operations
	Electrical	1 X 10 <sup>5</sup> Operations

### CHARACTERISTICS

Operate Time	15 ms. Max.
Release Time	5 ms. Max.
Insulation Resistance	1,000 megohms min, at 500VDC, 50%RH
Dielectric Strength	5000 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts
Shock Resistance	10 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 1.5 mm, 10 - 55 Hz
Power Consumption	0.72 Watts for standard coil, 0.55 Watts for sensitive coil
Ambient Temperature Range	-40 to 70 C, -40 to 130 C storage
Weight	18.5 grams approx.

### ORDERING INFORMATION

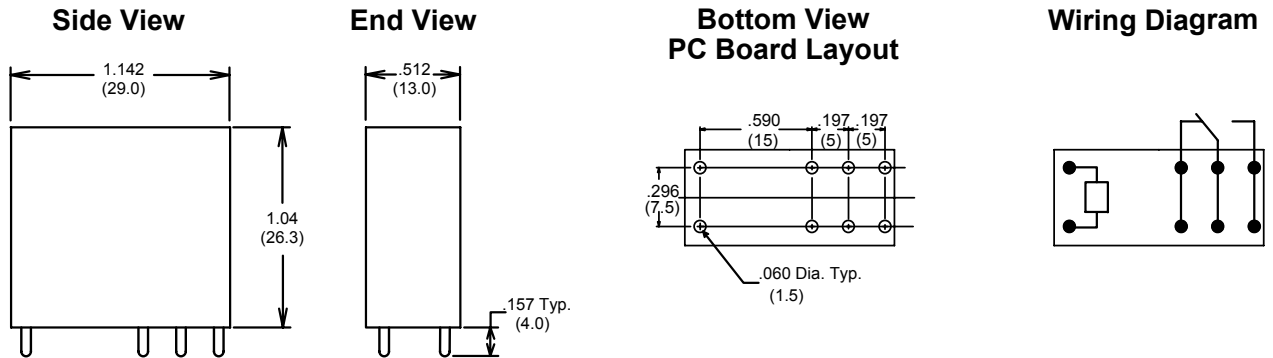
	Example:	PC393	-1C	-12	S	-H	-X
Model							
Contact Form 1A, 1B or 1C							
Coil Voltage DC: 3 to 24 volts							
Enclosure S: Sealed; C: Dust Cover							
Sensitivity Nil: Standard: .72 W H: Sensitive: .53 W							
RoHS Compliant Nil: Not Rohs, -X: RoHS Compliant							

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**COIL DATA**

Coil Voltage	Resistance ohms $\pm 10\%$		Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)		
	Standard Coil	Sensitive Coil				
5	36	0.72 W	47	0.55 W	3.6	0.5
6	50		68		4.3	0.6
9	115		160		6.5	0.9
12	200		275		8.6	1.2
18	460		650		13.0	1.8
24	820		1100		17.3	2.4
48	3300		4170		34.6	4.8
60	5100		7000		43.2	6.0

**Dimensions in Inches (millimeters)**



Notes:  
 Contact Form C shown  
 On Contact Forms A & B Unused Pins are Omitted  
 Tolerances  $\pm .010$  unless otherwise noted

