

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 ⁷ Operations
	Electrical	1 X 10 ⁵ 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.

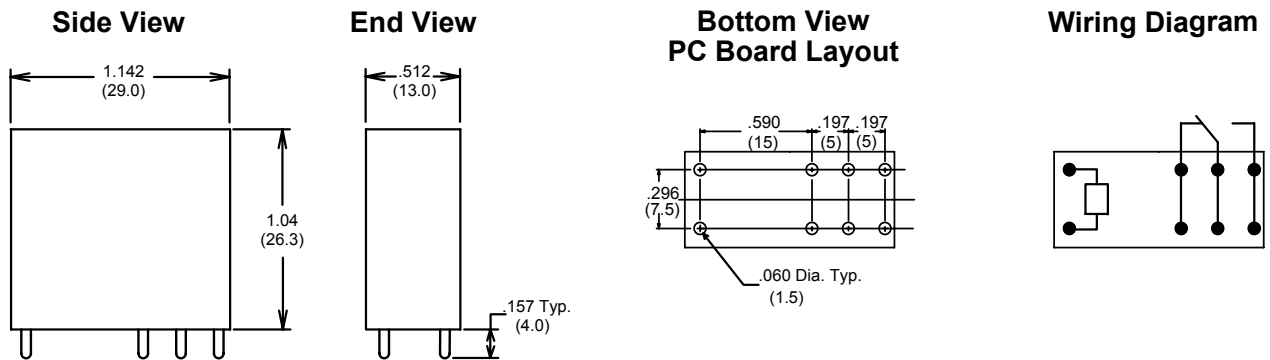
ORDERING INFORMATION

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						

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	0.55 W	3.6
6	50			4.3
9	115			6.5
12	200			8.6
18	460			13.0
24	820			17.3
48	3300			34.6
60	5100			43.2
			0.6	
			0.9	
			1.2	
			1.8	
			2.4	
			4.8	
			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



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