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
- TV-5 Rating
- Sealed, immersion cleanable

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
TV Rating	TV-5

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

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

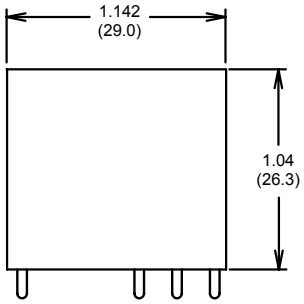
3220 Commander Drive, Suite 102, Carrollton, Texas 75006
Sales: Call Toll Free (888)997-3933 Fax (818) 342-5296 email: pickerwest@sbcglobal.net URL: pickercomponents.com

COIL DATA

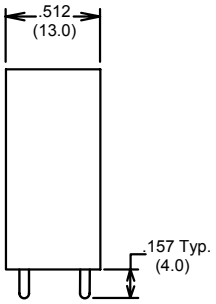
Coil Voltage	Resistance ohms ± 10%				Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
	Standard Coil		Sensitive Coil			
5	36	0.72 W	47	0.55 W	3.6	0.5
6	50		68		4.3	0.6
9	115		160		6.5	0.9
12	200		275		8.6	1.2
18	460		650		13.0	1.8
24	820		1100		17.3	2.4
48	3300		4170		34.6	4.8
60	5100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

Dimensions in Inches (millimeters)

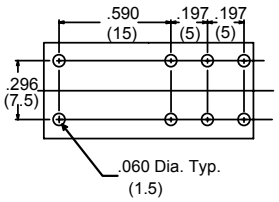
Side View



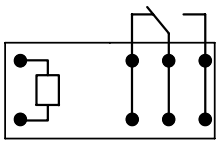
End View



Bottom View
PC Board Layout



Wiring Diagram



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

PICKER COMPONENTS

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