Not Recommended for New Designs - See PC375

20 Amp Miniature PCB Power Relay — PC393

FEATURES

- 20 Amp Contact Capacity
- 5 KV Dielectric Strength Between Coil and Contacts
- 10 mm Creepage Distance Between Coil and Contacts
- Sensitive Coil Version Available
- Meets UL 873 Spacing
- Sealed, Immersion Cleanable
- RoHS Compliant

c UL us E86876

Contact Form	Contact Form	
	1A (SPST-NO)	1C (DPDT)
Rated Load	10 A @ 250 VAC	5 A @ 250 VAC
	10 A @ 30 VDC	5 A @ 30 VDC
Max Switching Current	10 A	5 A
Max. Switching Power		
Max. Switching Voltage		

CONTACT DATA

Material		$AgSnO_2$
Initial Contact Resistance		100 mΩ Max
Service Life	Electrical	1 x 10^5 Operations
	Mechanical	1 x 10^7 Operations

CHARACTERISTICS

Operate Time	15 ms Max.
Release Time	10 ms Max.
Insulation Resistance	1,000 MΩ Min at 500 VDC
Dielectric Strength	5,000 V 50Hz Between Contacts
	500 V 50Hz Between Contact and Coil
Terminal Strength	10 N
Power Consumption	530 mW, 800 mW

CHARACTERISTICS CONTINUED

Shock Resistance	100 m/s^2 11ms
Vibration Resistance	10 Hz - 50 Hz Double Amplitude 1.5
Solderability	235°C ± 2°C 3 s ± 0.5 s
Operating Temperature Range	- 40 to 70° C
Relative Humidity	85% at 40° C
Weight	20 grams

ORDERING INFORMATION

Example: PC393 -1C -12 S -H -X

Model: **PC393**

Contact Form: **1A** or **1C**

Coil Voltage DC: **3**, **5**, **6**, **9**, **12**, **24**, **48**

Enclosure: **S**: Sealed, **C**: Dust Cover

Sensitivity: **Nil**: Standard 800 mW; **H**: Sensitive: 530 mW

RoHS Compliant: **-X**

Box Quantity: 600; Bundle Quantity: 75; Tube Quantity: 15

3220 Commander Drive, Suite 102 Carrollton, TX 75006
Sales: (972) 713-6272 (888) 997-3933 Fax: (972)735-0964
www.PickerComponents.com
e-mail: sales@pickercomponents.com

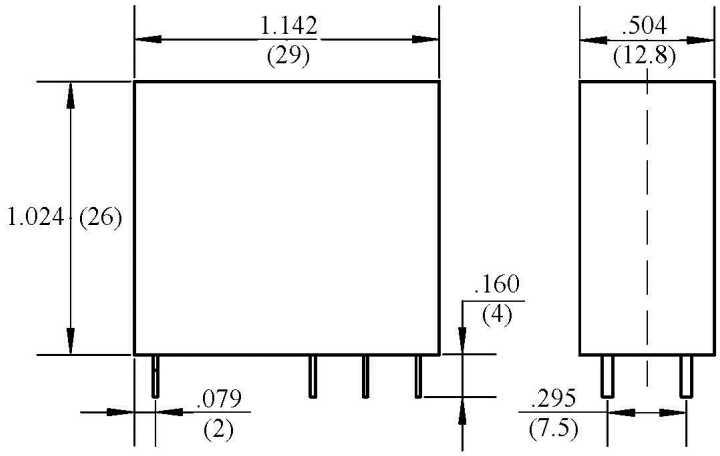
Dimensions are listed for reference purposes only.

Specifications and Availability subject to change without notice.

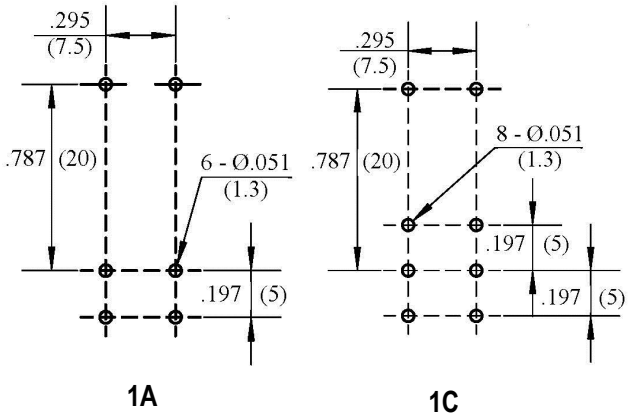
COIL DATA

Coil Voltage (VDC)		Coil Power (mW)		Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
		Resistance (Ohms ± 10%)			
Rated	Max	530 mW	800 mW		
3	3.9	17	36	2.25	0.3
5	6.5	47	50	3.75	0.5
6	7.8	68	115	4.50	0.6
9	11.7	153	200	6.75	0.9
12	15.6	275	460	9.00	1.2
24	31.2	1100	820	18.00	2.4
48	62.4	4350	3300	36.00	4.8

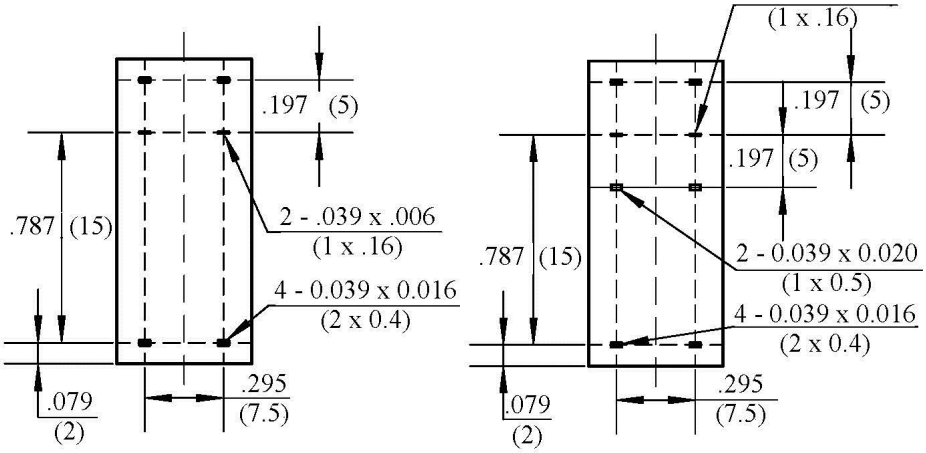
DIMENSIONS (in/mm)



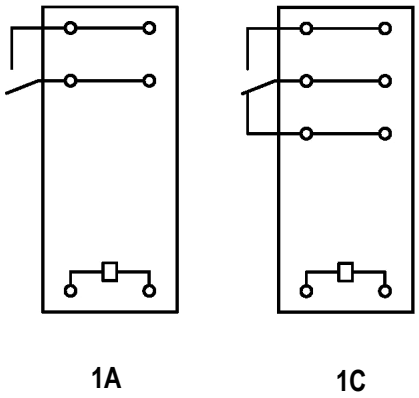
Relay (Side View & Front View)



PCB Mounting (Top View)



Terminal Layout (Bottom View)



Wiring Diagram (Bottom View)

PICKER COMPONENTS
3220 Commander Drive, Suite 102 Carrollton, TX 75006
Sales: (972) 713-6272 (888) 997-3933 Fax: (972)735-0964
www.PickerComponents.com
e-mail: sales@pickercomponents.com

Dimensions are listed for reference purposes only.

Specifications and Availability subject to change without notice.