200 Amp Latching PCB Relay — PC25L-200

FEATURES

- 200 Amp Switching Capacity
- Latching Relay 150 ms Pulse Duration
- Ultra–Low Temperature Rise
- Low Contact Resistance
- Strong Anti-Shock and Anti-Vibration Capability
- 97.0 x 79.5 x 29.5 mm Package Dimensions
- RoHS Compliant

Contact Ratings

Load Type	Voltage	2 Form A
General Purpose	250 VAC	200 A

CONTACT DATA

Maximum Switching Power		50,000 VA
Maximum Switching Voltage		440 VAC
Maximum Switching Current		200 A
Material		$AgSnO_2$
Contact Resistance		≤ 1.0 mΩ Initial
Operate Time (maximum)		50 msec
Release Time (maximum)		50 msec
Service Life	Mechanical	5 X 10^6 Operations
	Electrical	5 X 10^3 Operations

CHARACTERISTICS

Operate Time	≤ 50 ms
Release Time	≤ 50 ms
Insulation Resistance	1,000 MΩ min at 500 VDC
Dielectric Strength	4,000 V 1 min. Between Coil and Contact 2,000 V 1 min. Between Contacts
Shock Resistance	100 m/s² (10 g) Functional 1,000 m/s² (100 g) Destructive
Vibration Resistance	10 - 55 Hz Double Amplitude 1.5 mm
Operating Temperature	- 40 to 70°C
Storage Temperature	- 40 to 125°C
Relative Humidity	98% at 40°C
Weight	500 grams
Power Consumption	Single Coil 12 W; Double Coil 2 X 24.0 W

ORDERING INFORMATION

Example:	PC25L-200	-2A	-12		D	- X

Model: **PC25L-200**

Contact Form: **2A**

Coil Voltage: **9, 12, 24, 48**

Enclosure: **Nil**: Dust Cover

Coil: **Nil**: Single Coil 12 W: **D**: Double Coil 2 x 24 W

RoHS Compliant: **-X**

Box Quantity: 32 ; Inner Box 2

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

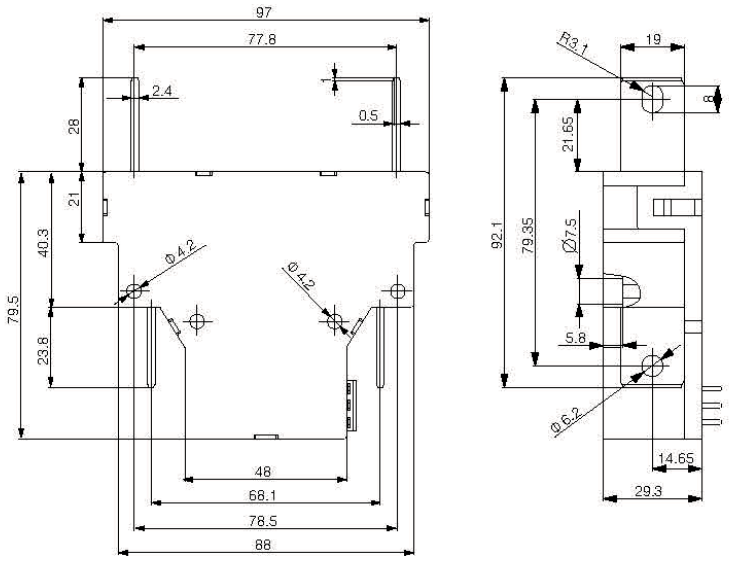
Coil Voltage		Coil Resistance (Ohms ± 10%)		Must Operate Voltage Max (VDC)
Rated	Maximum	Single Coil 12.0 Watts	Dual Coil 2 x 24.0 Watts	
9	10.6	6.8	3.4 + 3.4	6.75
12	14.4	12.0	6.0 + 6.0	9.0
24	28.8	48.0	24.0 + 24.0	18.0
48	56	192.0	96.0 + 96.0	36.0

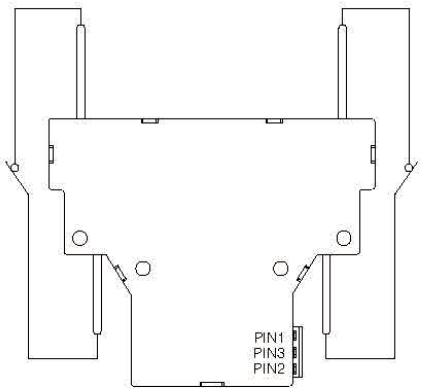
Recommended Pulse Duration 150 ms
Custom Coil Voltages available upon request.

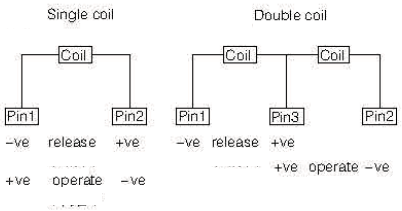
NOTES:

With the Dual Coil Version, the Latch and Reset Coils should not be pulsed at the same time for it is possible to set the relay into a magnetically neutral position. Coils should not be pulsed with less than the rated coil voltage and the pulse width should be a minimum of three times the specified operate time. If not, it is possible for the relay to settle in a magnetically neutral position.

DIMENSIONS (mm)







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