

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 RATING

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/s ² (10 g) Functional 1,000 m/s ² (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	W	D	-X
Model:	PC25L-200					
Contact Form*:	2A, 2B					
Coil Voltage:	9, 12, 24, 48					
Enclosure:	Nil: Dust Cover with PC Pins W: With Wire Leads (2-Position for Single Coil, 3-Position for Dual Coil)					
Coil:	Nil: Single Coil 12 W; D: Double Coil 2 x 24 W					
RoHS Compliant:	-X					

* 2B Signifies the relay is in Reset Status

Box Quantity for Standard Output Pins: 32; Inner Box 2

COIL DATA

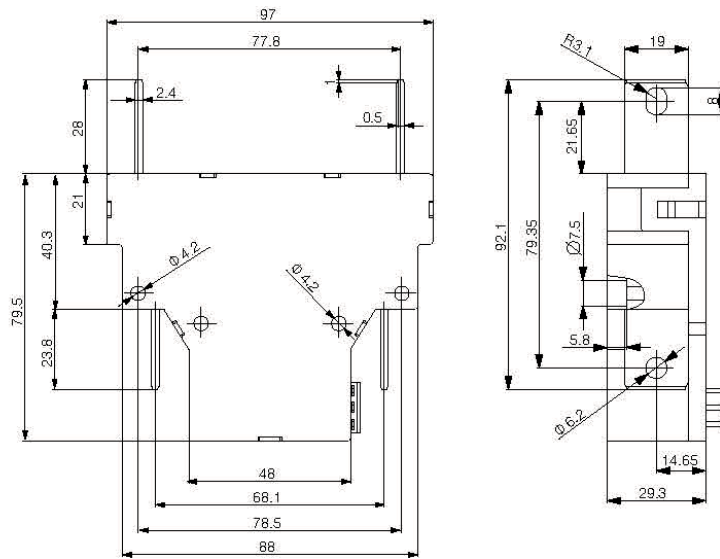
Coil Voltage		Coil Resistance (Ohms ± 10%)		Must Operate Voltage Max (VDC)
Rated	Maximum	Single Coil 12.0 Watts	Dual Coil 2 x 24.0 Watts	
9	10.6	6.8	3.4 + 3.4	6.75
12	14.4	12.0	6.0 + 6.0	9.0
24	28.8	48.0	24.0 + 24.0	18.0
48	56	192.0	96.0 + 96.0	36.0

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

NOTES:

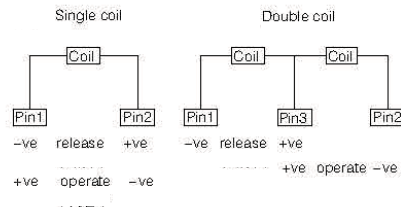
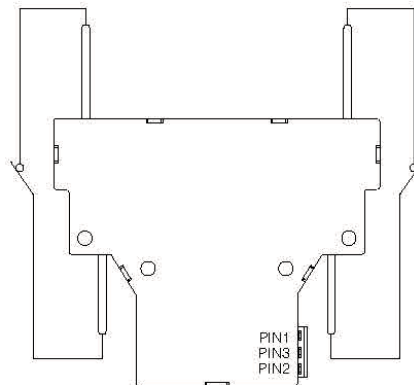
With the Dual Coil Version, the Latch and Reset Coils should not be pulsed at the same time for it is possible to set the relay into a magnetically neutral position. Coils should not be pulsed with less than the rated coil voltage and the pulse width should be a minimum of three times the specified operate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

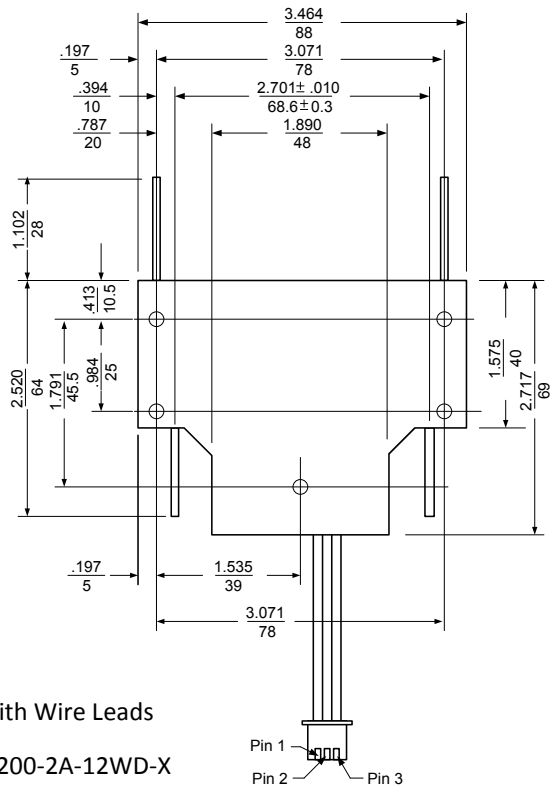
DIMENSIONS (mm)



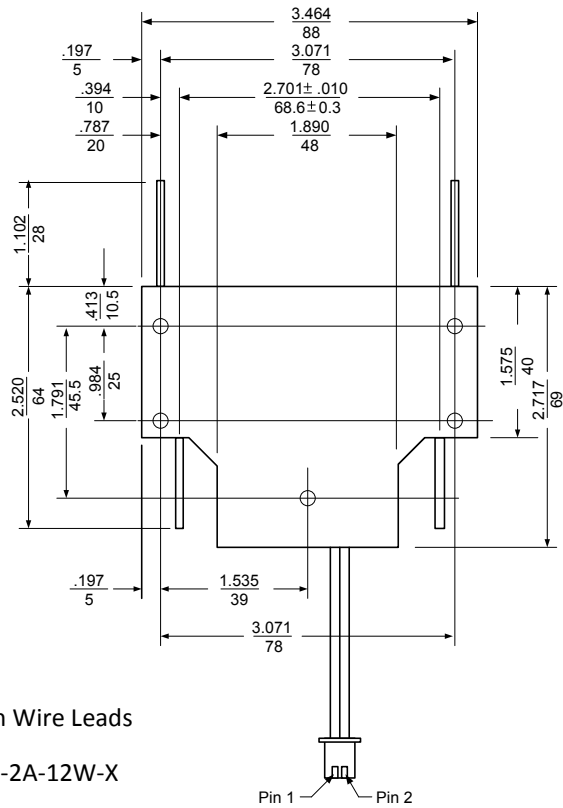
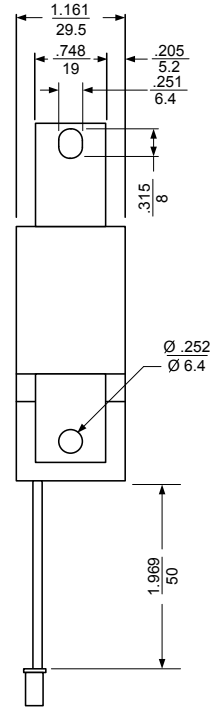
Dual Coil with PC Pins

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





Dual Coil with Wire Leads
 Ex: PC25L-200-2A-12WD-X



Single Coil with Wire Leads
 Ex: PC25L-200-2A-12W-X

