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PCSL SERIES SUPER LOW COST AC PHASE CONTROL

FEATURES

- Fully Solid State
- 2 Terminal In-Line Connection
- Adjustment From 10% to 95% Of Line Voltage
- Controls Many Types Of AC Loads
- Standard 1/4" Quick Connect Termination
- Totally Encapsulated
- UL/cUL Recognized

SPECIFICATIONS

1. Input.

- 1.1 Operating voltage: 24, 120 & 230 VAC
- 1.2 Tolerance: $\pm 15\%$ of nominal
- 1.3 Frequency: 60 Hertz

2. Output.

- 2.1 Type: Solid state
- 2.2 Rating:
 - (Blank)-1 amp steady state, (10 amp inrush, 50 mA. min.)
 - A-6 amp steady state, (60 amp inrush, 200 mA. min.) *
 - B-10 amp steady state, (100 amp inrush, 225 mA. min.) *
 - C-15 amp steady state, (150 amp inrush, 250 mA. min.) *
 - D-2.5 amp steady state, (50 amp inrush, 150 mA. min.)
 - H-25 amp steady state, (250 amp inrush, 500 mA. min.) ■
- * Maximum plate temperature: 85°C
- Maximum plate temperature: 60°C
- 2.3 Voltage drop: 1.5 volts typical at rated current
- 2.4 External resistance: 1 megohm = minimum output voltage
 (24 VAC units) 100K ohm = minimum output voltage
- 2.5 Range: 10% to 95% of line voltage
- 2.6 Output voltage vs. temperature: $\pm 5\%$

3. Protection.

- 3.1 Transient: ± 1500 volts for 150 microseconds
- 3.2 Dielectric breakdown: 1500 volts RMS minimum

4. Mechanical.

- 4.1 Mounting: One #8 or #10 screw
- 4.2 Termination: 1/4" quick connect terminals
- 4.3 Style: Surface mount / encapsulated with heat sink surface
 *(see dimensional drawing)

5. Environmental.

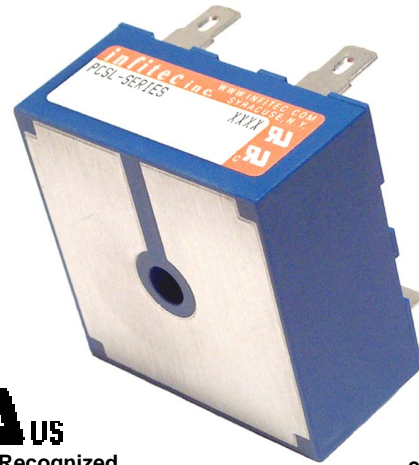
- 5.1 Operating temperature: -20°C to +65°C
- 5.2 Storage temperature: -30°C to +85°C
- 5.3 Humidity: 95% relative non-condensing

MODE OF OPERATION AC Phase Control

Power is applied to the input terminals at all times. Adjusting the control potentiometer changes the voltage across the load.

ORDERING INFORMATION

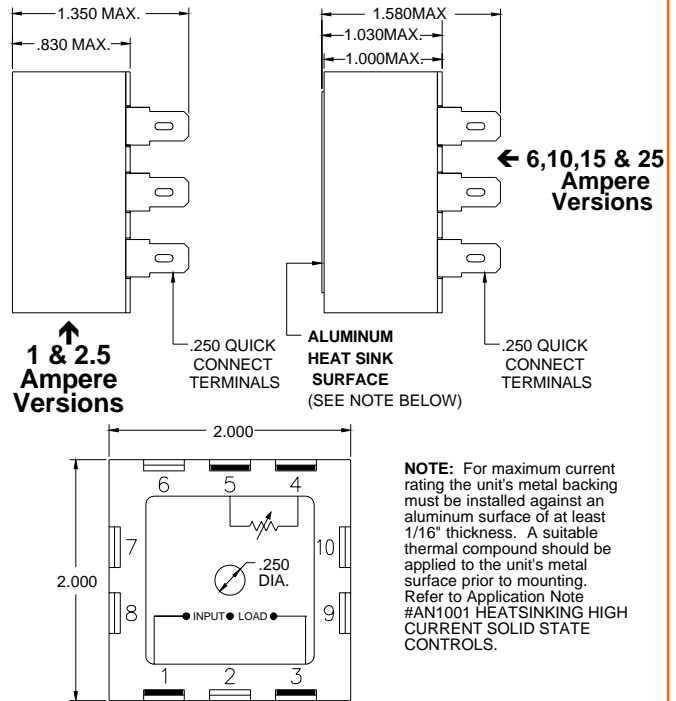
SERIES	INPUT VOLTAGE	OUTPUT RATING
PCSL	4 - 24 VAC	(Blank) - 1 Amp
	5 - 120 VAC	A - 6 Amp
	6 - 230 VAC	B - 10 Amp
		C - 15 Amp
		D - 2.5 Amp
		H - 25 Amp



UL/cUL Recognized

File E80165
 UL Guide NKCR2
 cUL Guide NKCR8

DIMENSIONS



CONNECTION DIAGRAM

