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SCS SERIES DC MOTOR SPEED CONTROL

FEATURES

- Control DC Motor Speed
- Fully Solid State
- Full Adjustment From 0% to 100%
- Small Size
- Standard 1/4" Quick Connect Termination
- Encapsulated To Withstand Harshest Environments
- UL/cUL Pending

SPECIFICATIONS

1. Input

- 1.1 Operating Voltage: 12, 24, 36 VDC
- 1.2 Tolerance: $\pm 15\%$ Of Nominal

2. Output

- 2.1 Type: Solid State
- 2.2 Rating: 1, 2.5, 6, 10, 15, & 25 Ampere Models
- 2.3 External Resistance: 100K Ohm
- 2.4 Range: 0 - 100% of Input Voltage
- 2.5 Output Voltage vs. Temperature: $\pm 5\%$

3. Protection

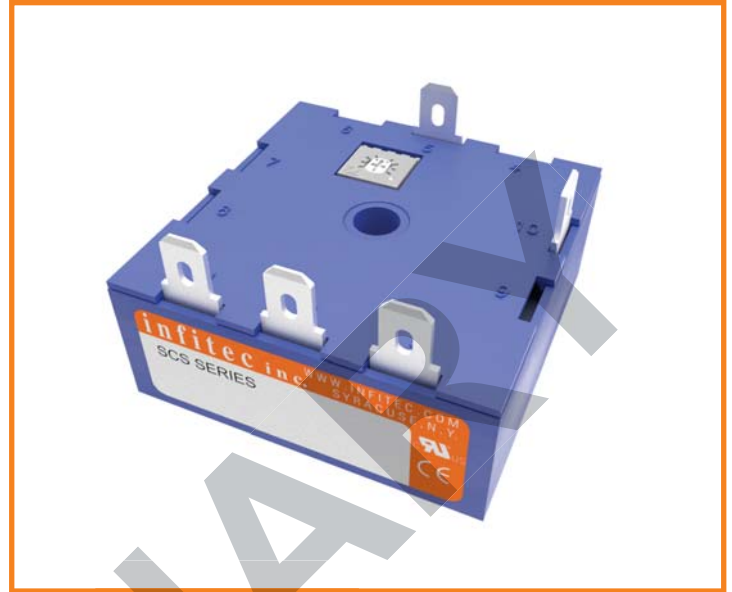
- 3.1 Electrical Fast Transient Immunity: IEC 61000-4-4
- 3.2 Surge Immunity: IEC 61000-4-5
- 3.3 Dips, Shorts, and Interruptions Immunity: IEC 61000-4-11
- 3.4 Polarity: DC Units Are Reverse Polarity Protected
- 3.5 Dielectric Breakdown: 1500 Volts RMS Minimum

4. Mechanical

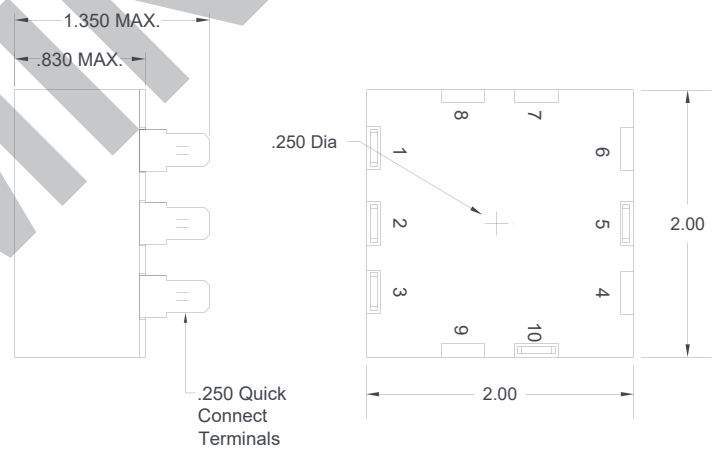
- 4.1 Mounting: One #8 or #10 Screw
- 4.2 Termination: 1/4" Quick Connect Terminals
- 4.3 Style: Surface Mount/Encapsulated

5. Environmental

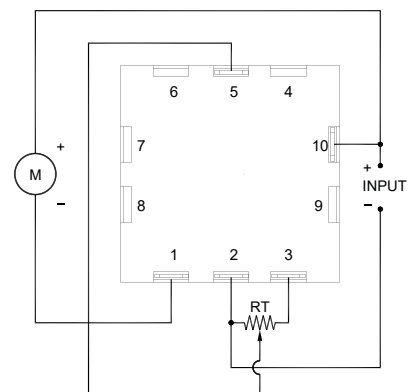
- 5.1 Operating Temperature: -20°C to $+80^{\circ}\text{C}$
- 5.2 Storage Temperature: -40°C to $+85^{\circ}\text{C}$
- 5.3 Humidity: 95% Relative, Non-Condensing



DIMENSIONS



CONNECTION DIAGRAM



MODE OF OPERATION DC SPEED 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	ADJUSTMENT
SCS	1 - 12 VDC	A - 1 Ampere D - 2.5 Amperes	0 - Local
	2 - 24 VDC		1 - Fixed (ex. V50 for 50% Duty Cycle)
	9 - 36 VDC		2 - Remote Adjustment