

SSC1000 SOFT START CIRCUIT FOR MOTORS

- For 500 and 1kVA motors
- Customized versions available
- Convection cooled
- High quality and reliability
- Made in North America



The SSC1000 series of soft-start circuits for motors was developed for inverter applications where very high surge current at motor start-up would interfere with inverter operation. The unit can also be used for other applications where inrush current has to be limited.

As inverters are typically electronically protected against overload and short circuit conditions, inrush current which massively exceeds the inverter's nominal power would be registered as a short circuit, and the inverter would shut down. A soft-start circuit installed between the motor and inverter limits the starting current. Upon motor start-up the initial current draw is limited to 6A in the 500VA position and to 12A in the 1000VA position. The soft-start circuit is by-passed 12 seconds after turn-on, and the load then connects directly to the inverter. The SSC1000 series has a built-in over-temperature fuse. Soft-start circuits for the other electrical specifications are also available.

The SSC1000 unit is housed in a 7.8" x 4.4" x 2.0" enclosed chassis.

SPECIFICATIONS

Operating Voltage

230VAC, \pm 15%
47-63Hz

Thermal Protection

Thermal fuse 120°C

Input Isolation

2250VDC input to chassis

Current Limiting

Position 1: 6A
Position 2: 12A

SSC Bypass Relay

Soft-start circuit relay activates within 12 seconds to allow direct current flow from inverter to load

Operating Temperature Range

0 to +50°C

Input/Output connections

Fast-on terminals

Dimensions

7.8" x 4.4" x 2.0"

Warranty: Twelve months subject to application within good engineering practice
Enhancements to these general specifications and customizing can be accommodated upon request.
Designed to meet all approval requirements.

Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard. ABSOPULSE is a BABT-approved Facility

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