

### **SY6 Specifications:**

- **Universal Source Matched 115 to 600VAC, 45 to 65Hz**
- **1 to 100HP (0.75 to 75kW)**
- **Ambient Temperature (operating) 0 to 40C<sup>0</sup>**
- **Control Voltage 120VAC, 45 to 65Hz**
- **Overload Capacity 600% for 6 seconds, 500% for 30 seconds, 125% Continuous**
- **UL Listed**



### **SY6 Standard Features:**

- **Dual Starting Mode Current Limit or Current Ramp**
- **Heatsink Overtemperature Detection and Shutdown (above Size 18)**
- **Run Relay Output Form C Rated 1 Amp at 220VAC**
- **Phase Loss Detection, Shutdown, and Lockout (selectable)**
- **1600V PIV SCR's with MOV Surge Suppressors**
- **Suitable for use on Single Phase Induction Motors**
- **3 Phase Current Feedback and Monitoring**
- **6 SCR Fully Controlled Power Circuit**
- **Simple Calibration Procedure**
- **Phase Rotation Insensitive**
- **Extra Compact Design for use with Bypass Contactors on sizes 80 and 125**
- **Diagnostic LED's to Indicate**
  - **Control Power**
  - **Line Power**
  - **Run Condition**