

AS6 for Compressors

Reduced Voltage Motor Starter

The Safronics AS6 Series of reduced voltage motor starters 7.5 to 1000 HP is designed for use on all compressor applications. Safronics can provide the best product for all your needs, from rotary screw to refrigeration to chillers. Not only do we have a field proven design, we also offer the versatility expected from a manufacturer with over 30 years experience in the solid state starter market.

In addition to the rugged durability of the power components, our compressor package includes the following standard features:

- **NEMA 12 (TENV) enclosure**
- **Full horsepower rated bypass contactor**
- **Highest PIV rated SCR's in the industry**
- **Terminal strip mounted on panel for customer connections**
- **Built-in auxiliary relays**
- **120VAC control power supply**
- **Programmable Class 10, 20 or 30 electronic overload**
- **Fault contact output for customer interlocking**
- **115% continuous duty rating**
- **Accepts either 2 or 3 wire start / stop logic**

These standard features represent a complete package that will meet the needs of almost every compressor application. The package is supplied in our full featured AS6 digital configuration. This model provides the proven Safronics design with the ease of installation and setup required in today's demanding industrial environment.

From the people who have been servicing the solid state starter market for more than 30 years !

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Features and Benefits

DRIVES FOR EVERY INDUSTRY

FEATURES	EXPLANATION	BENEFIT
Universal Source Matching	Saftronics starters operate on any voltage source from 200V to 575V	Flexibility. Ability to accept voltage swings common in compressor environments with a generator source
1600 Volt PIV (Peak Inverse Voltage) rated SCR's	Most competitors use SCR's rated 2.5 times line voltage (2.5 x 480V = 1200V PIV) Higher PIV ratings allows an SCR to block higher voltage spikes without breaking over or being damaged	Minimal SCR damage; more rugged starter
Overload capacity of 500% FLA for 30 seconds	Starter can withstand two 30 seconds consecutive starts of five times full load current each in rated ambient temperature	Rugged
Continuous duty rating of 115% of rated current	Starter has a service factor of 1.15	Capable of operating motors with higher service factor typically seen in compressor applications
Keypad monitor display	Allows monitoring of motor current, phase sequence, output power, line voltage, power factor, power consumption, operation time	No need for external meters
Default starting mode is "voltage ramp" (7 Starting modes programmable)	The start mode has a selectable initial voltage level from where the ramping starts and a selectable ramp time	The "torque" mode is ideal for compressors. This ramping method has the ability to reduce the initial torque shock; yet ramp up quick enough, as is typical with compressors
Microprocessor based with keypad operator interface	Starter has a digital keypad for programing, monitoring, and diagnostics	Simplicity of set up and retrieval of information
Serial communication options	DeviceNet, Profibus-DP, FIPIO, LonWorks, RS232 / RS485 (ModBus)	Allows for PLC interfacing and networking

To maintain maximum uptime and performance, Saftronics offers a **24 hour / 7 day per week toll free emergency support**. The Saftronics technical support team is available for trouble shooting assistance as well as weekend and holiday shipment of repair parts.



SAFTRONICS
www.saftronics.com

5580 Enterprise Parkway
Fort Myers, FL 33905
Phone (239) 693-7200
Fax (239) 693-2431
www.saftronics.com