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Save My Cotton Gin!

Features and Benefits of SAF Solid State Starters for Ginning Machinery

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Link URL: <http://www.carotron.com/articles/ginning-machinery/>



If you own and/or operate a Cotton Gin, you know the importance of dependable machine operation during the ginning process. Running just a few months out of each year, you must have the maximum up-time with the least maintenance. A soft starter can help tremendously with ginning machine operation because it allows for a soft, gradual, reduced-voltage start-up versus fast, high-voltage start-ups that can cause premature wear and tear on the machinery. At Carotron, we sell and install Opal Pro Series models MS6 and MS6B, which are Solid State Starters with traditional SAF rugged design.

Just a few of the product features for these starters include 500% overload for 30 Sec standard, a standard keypad display, reduced footprint for MCC applications, 1600 PIV SCR's, jog speed and multiple communication networks. Brochures are available so you can easily see if these will meet your needs. Also, Carotron always has trained sales engineers on staff so you can communicate the needs for your

ginning machinery and find just the right starter.

Carotron recently installed a pair of 200HP SAF Solid State Starters with full-voltage, across-the-line bypass contactors that are expected to provide the following advantages for the mill's ginning machine.

- > **Minimize AC line inrush current, lowering the demand loading and monthly cost-per-KWH.**
- > **Smooth application of starting torque to greatly reduce across-the-line impact loading on belts and other drive components.**
- > **The ability to run across the line if lightning or an AC line surge were to disable the control electronics.**
- > **Install with minimal wiring changes. Three-in, three-out line connections and a simple two- or three-wire interface to existing control circuits.**
- > **No sacrifice in overall efficiency, since the Integrated Bypass Contactor removes the high-power SCR's from the current path during continuous running, eliminating the heat loss.**

Aging reduced-voltage starters can malfunction and fail at any time. The production lost can be very expensive. Carotron stocks a wide range of SAF Solid State Starter chassis models from 50 through 600 amps, 208-230/460/600VAC, all with Integrated Bypass Contactors included.

Whether the existing unit for your cotton gin is a wye-delta, autotransformer, or vintage solid state design, we can ship you a replacement from our stock and provide your customer with the technical support to get it installed and programmed in short order.

Call Carotron today: **1-888-286-8614**

We welcome the opportunity to review your cotton gin application. Our goal is always to help you keep your ginning machinery up and running at maximum efficiency so you can serve your customers with confidence!