

# Press Release



*For your business and technology editors*

January 2003



## **Announcing expansion of the PSS Softstarter line**

ABB is pleased to announce the expansion of the PSS Softstarter line. The PSS now covers up to 200HP when connected "inline" and up to 350HP when connected "inside-the-delta."

The PSS Softstarter is unique in its ability to be connected both in the typical "inline" configuration and "inside-the-delta" configuration. When connected "inside-the-delta," the PSS can replace wye-delta starters and be sized to 58% of the motors horsepower rating. The reduced rating is permitted by the combination of the specially designed wye-delta motor and Flexible Line PSS Softstarter. This feature can result in a softstarter that is physically two frame sizes smaller than an equivalent "in-line" softstarter, saving both space and money.

**Print quality CMYK product photos are available on CD ROM or for download at <http://www.ssac.com/infocntr/psseic.htm>**  
**Photos available: Vertical with color background color silhouette, black and white silhouette**

The PSS Softstarter "Compact Line" offers 3 – 25A at 230 – 600V AC motor softstarting and control voltages of 24 – 110V

AC/DC; 100 – 480V AC. The "Flexible Line" is designed for 18 – 300A at 230 – 600V AC operation, and may also be wired "inside-the-delta" for Star-delta starting. The "Flexible Line" is available as an open chassis or NEMA Type 1 through 4X enclosure combination, non-combination breaker, fused switch, or bypass contactor. Many other options are also available.

Primary applications for the PSS Softstarter include: elevators, pumps, blowers, centrifuges, mixers, and conveyors.

Unlike traditional wye-delta starters, the PSS Softstarter provides a nice smooth linear voltage ramp through high-speed electronic switches. The stepless voltage ramp of the PSS minimizes high starting currents and 'torque shocks' associated with across-the-line starters and electromechanical reduced voltage starters. Because the PSS performs the motor starting without any moving parts, there are no contacts to fail and replace. Contact maintenance is a constant problem with across-the-line and other electromechanical starters. The PSS includes built-in diagnostics and relays to help identify problems during start-up and run conditions. It also includes a "current limit" feature, when a current transformer is connected.

In addition, all PSS Softstarters include a soft stop feature to bring loads to a slow halt to prevent mechanical equipment and product damage. The softstarters minimize water hammering caused by starting and stopping pumps. Softstarters reduce stress on gear boxes and drive belts of compressors, mixers, and conveyors. PSS Softstarters also help eliminate slipping belts and stresses on bearings when starting fans and blowers.

PSS Softstarters are UL Listed, CSA Certified, and CE approved. They are available through distributors throughout the world.

For more information, visit our web site at [www.abb-control.com](http://www.abb-control.com) or call ABB at (888) 385-1221.

***For more information please contact:***

### **Low Voltage Products & Systems**

For Further Information or

Technical Assistance call (888) 385-1221

E-mail

Visit the online catalog at [www.abb-control.com](http://www.abb-control.com)

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