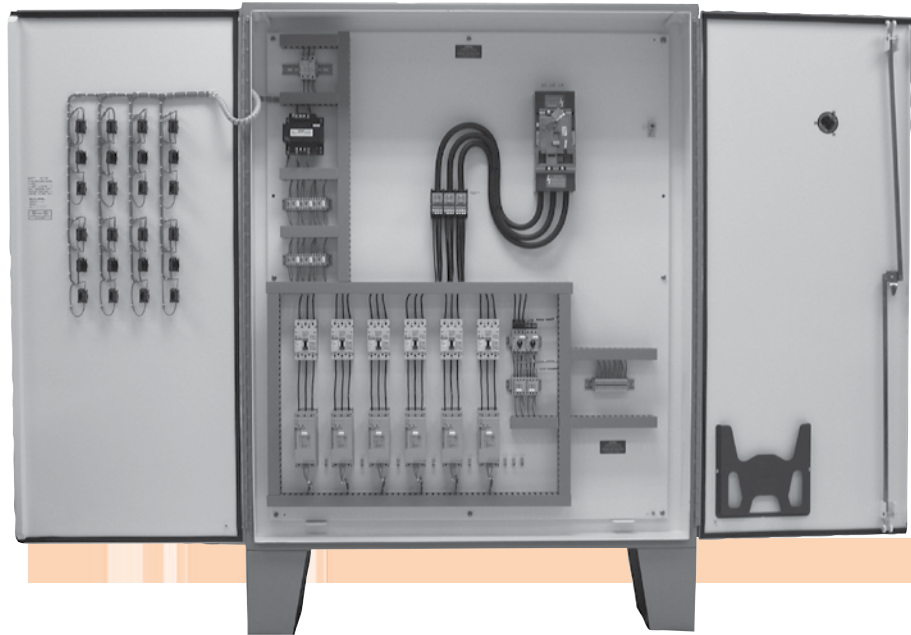


# Custom Softstarter Panels

Serving Many Industries



PCS Softstarter Custom Multi-Motor Panel 60HP@480V AC

Sprecher+Schuh offers a broad range of Softstarter products for starting or stopping AC induction motors from ½ Hp to 1000 Hp. The entire range incorporates superior features, such as;

- Three Phase Control
- Built-in electronic overload and integral run bypass for both star-delta and standard squirrel-cage induction motors
- Advanced protection and diagnostics in a compact, maintainable, modular, cost-effective package

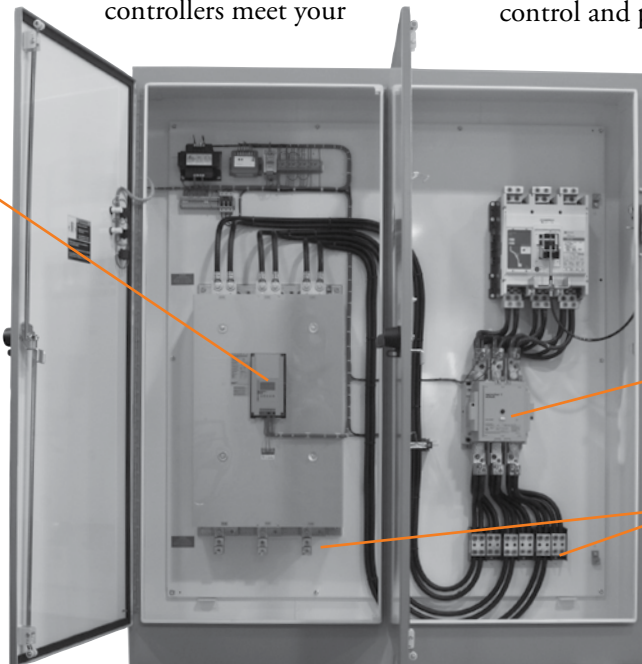
Whether you need a solid state controller for a single motor, special ramping or stopping maneuvers or a complex multi-motor solution, our range of Softstarter controllers meet your

required needs for many applications. Here is a listing of industries the Sprecher+Schuh Custom Softstarter panels have played a successful role in.

- Food Processing
- Irrigation
- Lumber and Wood Products
- Mining and Metals
- OEM Specialty Machine
- Petrochemical
- Pulp and Paper
- Textile
- Transportation and Machine Tool
- Water/Wastewater Treatment and Municipalities
- Cement/Rock crushers/Chippers

Contact your Sprecher+Schuh motor control and protection representative for consultation regarding custom quotations or help explaining which of the four families of Softstarter best meets your application needs.

- PFS Softstarter
- Built-in Overload
- Built-in Bypass



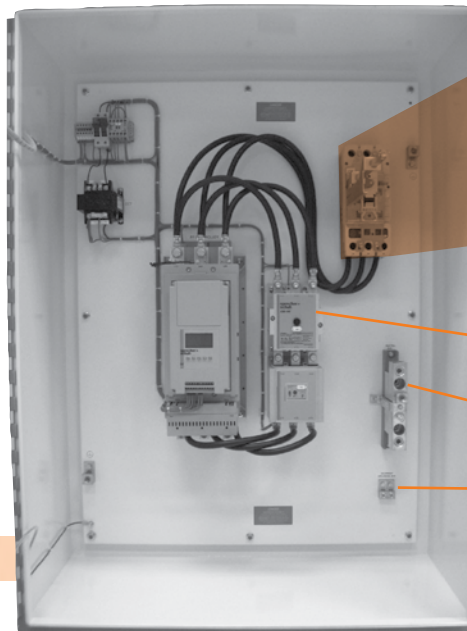
CA6 Isolation Contactor

Motor Connection Terminals for Wye-Delta 6-Lead Motor

PFS Softstarter  
1000HP@480V AC for  
Wye-Delta 6-Lead Motor



*PFS Softstarter UL508A Service Entrance  
Custom Panel 150HP@480V AC*



- External HP Rated Bypass  
Contactor and Overload
- Neutral Terminal
- Ground Terminals

## Pumping and Braking Applications

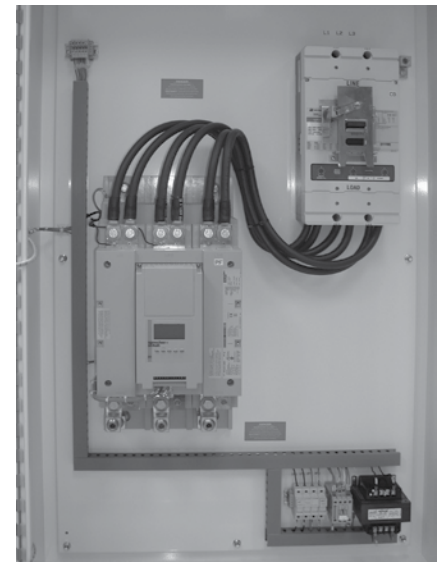
Custom panels using the PCS and PFS Softstarters are an excellent choice for typical motor starting and soft stopping profiles.

For customers seeking a control panel solution to reduce water-hammering or rapid fluid surges, our PFB Pump Control Softstarter is the market leader in this technology. The PFB Softstarter algorithm is specially designed to reduce fluid surges in pumping systems. It provides closed loop acceleration and deceleration control of centrifugal pump motors without the need for feedback devices. When it comes to irrigation, pumping stations or any fluid applications, the PFB Pump Control is the leading choice.

Need to provide a motor control panel to align a tumbler for loading or unloading product? Need to reduce the stopping time of a Bandsaw by more than half of other mechanical braking systems? The PFD Smart Motor Braking is the ideal solution. The PFD Braking option provides motor braking for applications which require the motor to stop quickly. It is a micro-processor based braking system, which applies braking current to a motor. The strength of the braking current is adjustable from 0...400% of full load current.

## UL508A and Service Entrance Labeled

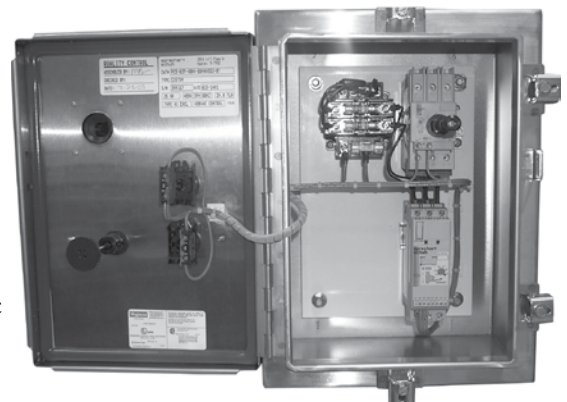
Upon request, custom Softstarter panels can be designed and labeled to meet UL508A requirements and /or Service Entrance requirements. Under UL508A, this ensures that all components in the panel are in compliance with UL and that wire bending spaces and wire sizes are properly selected for the given panel solution. The requirements for Service Entrance is to add special labeling near the main disconnecting handle and include a neutral bar and grounding lugs near the branch circuit protection device. The Sprecher+Schuh team is ready to meet your safety approval specifications.



*PFS Softstarter Custom MCCB Combo  
400HP@480V AC*

## Need Other Types of Enclosure Ratings?

The PCS/PF Softstarters can be enclosed in a variety of enclosures away from our standard listing in this section. Whether it's an outdoor rated Type-12 with a drip shield, corrosive resistant Type-4X Non-Metallic or an ATEX Approved enclosure, our Sprecher+Schuh team has vast custom control experience in meeting your enclosure environmental specifications.



*PCS Softstarter KTA7 Combo  
25HP@480V Stainless Steel*

**D**  
Softstarters  
PF