The PSE Softstarter –
Easy and Reliable with LCD display and torque control

Easy
One of the most important features of any electrical device is that it is easy to set-up and easy to use. The PSE softstarter is equipped with a language neutral backlit display and an easy-to-use four button keypad. In addition, the built-in by-pass gives a very compact unit which is easy to mount and without the need to install an external by-pass contactor, the installation time is greatly reduced.

Reliable
The PSE softstarter is not only designed to ensure an exceptional reliability. It has also been equipped with features to ensure that the reliability of the whole process is maintained. As an example, torque control eliminates water hammering and thereby greatly reduces the mechanical stress on pump systems and provides a more reliable operation with less downtime.

Efficient
Knowing what the customers want, we designed a softstarter that really fulfills their needs, without adding unwanted complexity. The addition of a built-in by-pass for energy saving makes the PSE softstarter a very efficient choice.

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### PSE Softstarter

- **Standard**
  - Built-in by-pass
  - Wide ambient temperature range: -25...60 °C
  - Thermostat controlled cooling fans
  - Coated PCBs
  - Display and keypad
  - Torque control
  - Adjustable current limit function
  - Electronic motor overload protection (class 10, 20, 30)
  - Locked rotor protection
  - Underload protection
  - Kick start for jammed pumps or conveyor belts
  - Thyristor overtemperature protection
  - Analog output
- **Optional**
  - Field bus communication
  - Event log (available with software)
  - External keypad (3 m cable, type 4X indoor)

Symbol for torque control
PSE18 ... PSE370 selection table for normal start (motor overload class 10)

Rated operational voltage, \( U_e \), 208 - 600 V AC
Rated control supply voltage, \( U_s \), 100 - 250 V AC, 50/60 Hz

<table>
<thead>
<tr>
<th>230 V kW</th>
<th>400 V kW</th>
<th>500 V kW</th>
<th>208 V hp</th>
<th>230 V hp</th>
<th>480 V hp</th>
<th>600 V hp</th>
<th>UL/CSA Max rated operational current ( I_e ) A</th>
<th>Part number</th>
<th>Dimensions mm (W x H x D)</th>
<th>Weight kg (lb)</th>
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Neutral language display

Tripping curves for electronic motor overload protection

For more information please contact:

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