PSTX enclosed softstarters
For normal-duty and heavy-duty applications

Designed to perform reliably in nearly any environment and on almost any application, the PSTX-ND series softstarters combine the best of ABB’s wide range of industrial low voltage controls.

Short circuit protection
To handle the role of short-circuit protection and disconnection, the PSTX-ND series utilizes the Tmax® XT molded case circuit breaker to provide the utmost protection under short circuit conditions, with a short circuit rating of 65 kAIC up to the X700 unit. The X900 and X1000 units are protected with Class L fuses with a short circuit rating of 100 kAIC.

Electronic overload protection
Every PSTX softstarter comes with integral electronic overload protection that is adjustable to four different tripping classes, preset to Class 10 tripping for normal-duty applications. This feature also allows the unit to select Class 30 tripping for heavy-duty applications, per the selection guide chart.

The PSTX softstarter
Designed around the PSTX softstarter for normal-duty use with all the exceptional standard features inherent to the open PSTX shown below. The enclosed offering also comes with the following additional features:

- UL 508A label
- UL 3-wire service entrance rating up to and including the X700 design
- NEMA Type 12, 3R or 4 enclosure options
- Door-mounted keypad and six pilot devices
- Built-in Modbus-RTU communications
- Optional Anybus communication modules available for most communication protocols

PSTX softstarter standard features

<table>
<thead>
<tr>
<th>PSTX</th>
<th>Secure motor reliability</th>
<th>Improve installation efficiency</th>
<th>Increase application productivity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Standard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Selection guide

### Ratings and dimensions

<table>
<thead>
<tr>
<th>Type code</th>
<th>Heavy-duty HP class 30 starts</th>
<th>Normal-duty HP class 10 starts</th>
<th>Volts</th>
<th>Amps</th>
<th>SCCR rating (kA)</th>
<th>Enclosure size H&quot; x W&quot; x D&quot;</th>
<th>Weight in lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>X20-B_-48-ND</td>
<td>15</td>
<td>20</td>
<td>480</td>
<td>28</td>
<td>65</td>
<td>24 x 20 x 12</td>
<td>77</td>
</tr>
<tr>
<td>X75-B_-48-ND</td>
<td>50</td>
<td>75</td>
<td>480</td>
<td>104</td>
<td>65</td>
<td>24 x 20 x 12</td>
<td>78</td>
</tr>
<tr>
<td>X100-B_-48-ND</td>
<td>75</td>
<td>100</td>
<td>480</td>
<td>130</td>
<td>65</td>
<td>30 x 30 x 12</td>
<td>131</td>
</tr>
<tr>
<td>X125-B_-48-ND</td>
<td>100</td>
<td>125</td>
<td>480</td>
<td>169</td>
<td>65</td>
<td>30 x 30 x 12</td>
<td>131</td>
</tr>
<tr>
<td>X150-B_-48-ND</td>
<td>125</td>
<td>150</td>
<td>480</td>
<td>192</td>
<td>65</td>
<td>48 x 36 x 16</td>
<td>280</td>
</tr>
<tr>
<td>X200-B_-48-ND</td>
<td>150</td>
<td>200</td>
<td>480</td>
<td>248</td>
<td>65</td>
<td>48 x 36 x 16</td>
<td>280</td>
</tr>
<tr>
<td>X250-B_-48-ND</td>
<td>200</td>
<td>250</td>
<td>480</td>
<td>302</td>
<td>65</td>
<td>48 x 36 x 16</td>
<td>291</td>
</tr>
<tr>
<td>X300-B_-48-ND</td>
<td>250</td>
<td>300</td>
<td>480</td>
<td>361</td>
<td>65</td>
<td>48 x 36 x 16</td>
<td>300</td>
</tr>
<tr>
<td>X350-B_-48-ND</td>
<td>300</td>
<td>400</td>
<td>480</td>
<td>480</td>
<td>65</td>
<td>48 x 36 x 16</td>
<td>327</td>
</tr>
<tr>
<td>X400-B_-48-ND</td>
<td>400</td>
<td>500</td>
<td>480</td>
<td>590</td>
<td>65</td>
<td>48 x 36 x 16</td>
<td>353</td>
</tr>
<tr>
<td>X600-B_-48-ND</td>
<td>600</td>
<td>700</td>
<td>480</td>
<td>840</td>
<td>65</td>
<td>72 x 36 x 24</td>
<td>637</td>
</tr>
<tr>
<td>X700-B_-48-ND</td>
<td>700</td>
<td>900</td>
<td>480</td>
<td>1062</td>
<td>100</td>
<td>85 x 72 x 24 *</td>
<td>1562</td>
</tr>
<tr>
<td>X1000-F_-48-ND</td>
<td>900</td>
<td>1000</td>
<td>480</td>
<td>1250</td>
<td>100</td>
<td>85 x 72 x 24 *</td>
<td>1562</td>
</tr>
</tbody>
</table>

*Includes pedestal base for floor mounting
Replace _  in the type code for specific enclosure type:
2 = NEMA/UL Type 12
3 = NEMA/UL Type 3R
4 = NEMA/UL Type 4

### Typical heavy-duty applications include:
- Centrifugal fan
- Conveyor belt (long)
- Crusher
- Mill
- Mixer
- Stirrer

### Typical normal-duty applications include:
- Belt thruster
- Centrifugal pump
- Compressor
- Conveyor belt (short)
- Elevator

### Door-mounted pilot devices include:
- PSTX keypad
- Hand-off-auto selector switch
- Start and stop pushbuttons
- Power on pilot light
- Run pilot light
- Fault pilot light

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Inc. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc.
© 2021 ABB Inc. All rights reserved