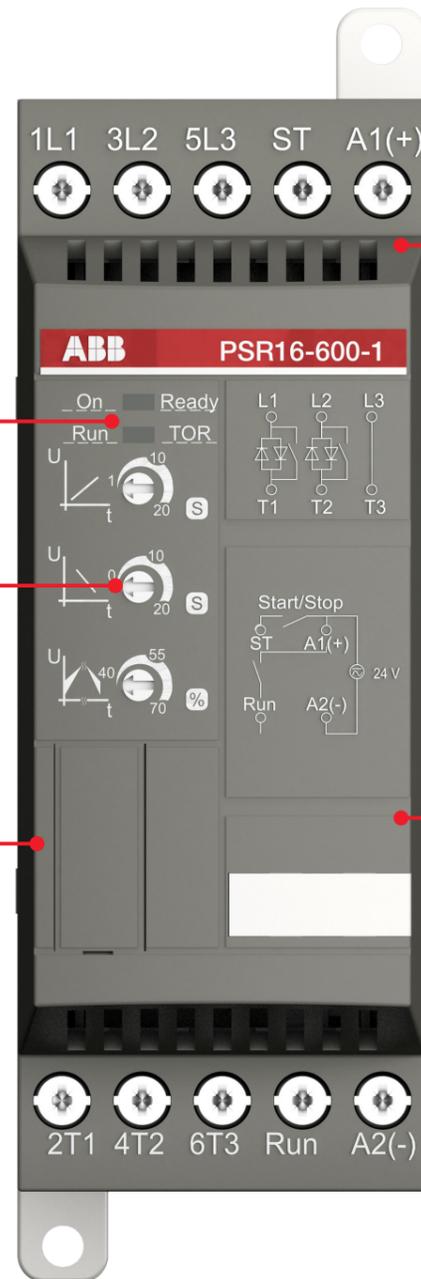


# INFOGRAPHIC | PSR Softstarter

PSR is our most compact softstarter with basic benefits and values. PSR can handle up to 100 starts per hour. Suitable for small motors.



**LED indicators** for On/Ready and Run/Top of ramp.

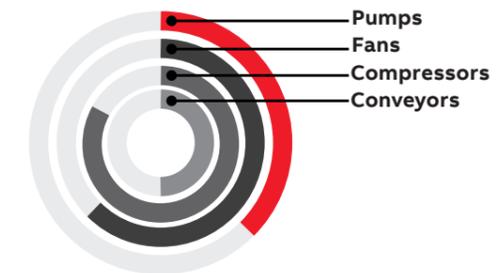
**Three potentiometers for settings**  
Set-up are made very easy with only three potentiometers, for start ramp time, stop ramp time and initial/end voltage level.

**Built-in bypass** saving you time during installation and space in your panel.

## Technical specifications

<b>Current</b>	3A... 105 A
<b>Main voltage</b>	208 V... 600V
<b>Rated control supply voltage</b>	100... 240 V AC, 50/60 Hz or 24 C AC/DC
<b>Frame sizes</b>	A, B, C, D
<b>Electrical sizes</b>	13
<b>Communication protocols</b>	Modbus RTU, Profibus, DeviceNet
<b>Certifications</b>	CE, cULus, CCC, EAC, ANCE, C-tick, KC
<b>Approvals</b>	-

## Application fit compare to PSRC, PSE & PSTX



For more information visit:  
[solutions.abb/softstarters](https://solutions.abb/softstarters)



**Electrically robust**  
The PSR is robust enough to withstand up to 100 motor starts per hour.



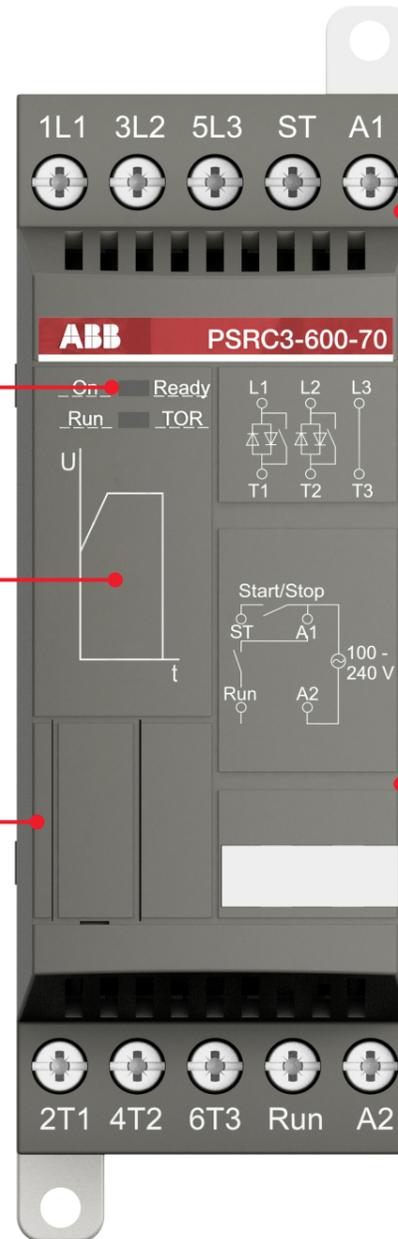
**Compact design**  
The PSR is a more compact solution than star-delta, and just as compact as a DOL, but with favorable soft starting and stopping.



**Easy setup**  
Although far more efficient, the PSR is just as easy to install, setup and use as DOL.

# INFOGRAPHIC | PSRC Softstarter

PSRC is fast and easy to install with fixed settings. Designed for scroll compressors results in less stress on the compressor reducing the maintenance cost to a minimum.



**LED indicators** for On/Ready and Run/Top of ramp.

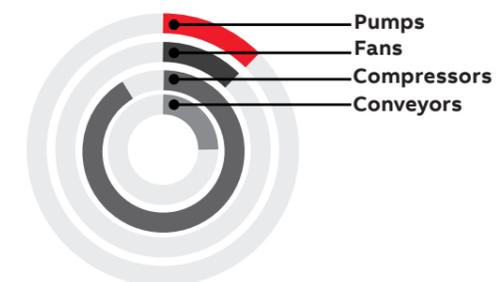
**Electrically robust** The PSR is robust enough to withstand up to 100 motor starts per hour.

**Built-in bypass** saving you time during installation and space in your panel.

## Technical specifications

<b>Current</b>	3A... 105 A
<b>Main voltage</b>	208 V... 600V
<b>Rated control supply voltage</b>	100... 240 V AC, 50/60 Hz or 24 V DC
<b>Frame sizes</b>	A, B, C, D
<b>Electrical sizes</b>	13
<b>Communication protocols</b>	Modbus RTU, Profibus, DeviceNet
<b>Certifications</b>	CE, cULus, CCC, EAC, ANCE, C-tick, KC
<b>Approvals</b>	-

## Application fit compare to PSR, PSE & PSTX



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**Fixed settings**  
"Temper proof" No risk of parameters getting changed after installation and no set-up needed



**Compact design**  
The PSRC is a more compact solution than star-delta, and just as compact as a DOL, but with favorable soft starting and stopping.



**Optimized for scroll compressors**  
Designed for scroll compressors results in less stress on the compressor reducing the maintenance cost to a minimum.

# INFOGRAPHIC | PSE Softstarter

The new generation PSE is a true general purpose softstarter. It's a perfect balance between high starting capacity and cost efficiency. Now featuring built-in fieldbus communication.

**Output signal relays for run, top of ramp and event** Three output signal relays for indicating that the motor is running, that the softstarter is in top of ramp and if any event has happened. The relays can be used e.g., with pilot lights or to control a line contactor.

**Built-in bypass** saving you time during installation and space in your panel.

**Language neutral display** set-up in less than 15 seconds.

**Basic motor protections** The PSE includes the most important protections for handling different load situations that can happen to pumps e.g. overload and underload.

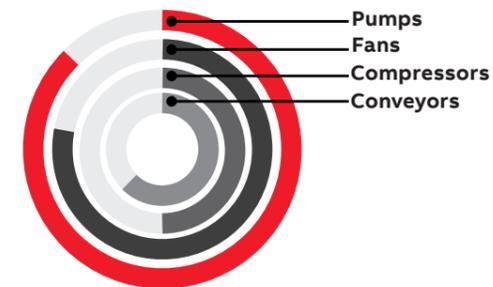
**Torque control function** the best possible stop of pumps without water hammering and pressure surges.

**Screw mounting** for fast and easy installation.

## Technical specifications

<b>Current</b>	18A... 370 A
<b>Main voltage</b>	208 V... 600V
<b>Rated control supply voltage</b>	100... 250 V AC, 50/60 Hz
<b>Frame sizes</b>	A, B, C
<b>Electrical sizes</b>	15
<b>Communication protocols</b>	Modbus RTU, Profibus, DeviceNet, Modbus TCP
<b>Certifications</b>	CE, cULus, CCC, EAC, ANCE, C-tick, KC
<b>Approvals</b>	ABS, DNV, Lloyd's register, CCS, PRS, Class NK

## Application fit compare to PSR, PSRC & PSTX



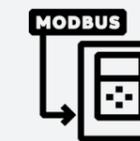
For more information visit:  
[solutions.abb/softstarters](https://solutions.abb/softstarters)



**Highest electric robustness**  
PSE supports higher starting currents and more frequent starting – allowing you to push operations harder.



**Resistant to harsh conditions**  
Coated circuit boards protecting from dust, moist and corrosive atmosphere.



**Built in Modbus- RTU**  
Fieldbus communication for monitoring and control. Support for all major communication protocols.

# INFOGRAPHIC | PSTX Softstarter

PSTX is the most complete alternative for any motor starting application. Featuring built-in modbus and anybus modules that support all major communication protocols.

**Heavy duty design** to handle heavy applications such as centrifugal fan, mill and mixers.

**Coated PCB** protecting from dust, moist and corrosive atmosphere.

**HMI A user-friendly and clear display** saves you time and resources during both setup and operation. The detachable keypad is standard on all PSTX softstarters with IP66 and 4x outdoor for tough environments.

**Jog with slow speed forward & reverse** The slow speed forward and backward jog feature will make you more flexible when operating e.g. conveyor belts and cranes.

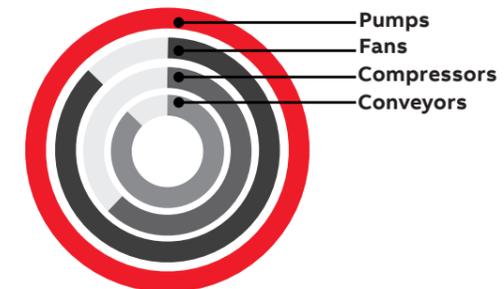
**Torque control function** the best possible stop of pumps without water hammering and pressure surges.

**Built-in bypass** saving you time during installation and space in your panel.

## Technical specifications

<b>Current</b>	3A... 1250 A (inside-delta: 2160 A)
<b>Main voltage</b>	208 V... 690V
<b>Rated control supply voltage</b>	100... 250 V AC, 50/60 Hz
<b>Frame sizes</b>	A, B, C, D, E, F
<b>Electrical sizes</b>	19
<b>Communication protocols</b>	Modbus RTU, Profibus, Profinet, Ethercat, BACnet, Ethernet, DeviceNet, Anybus
<b>Certifications</b>	CE, cULus, CCC, EAC, ANCE, C-tick, KC
<b>Approvals</b>	ABS, DNV, Lloyd's register, CCS, PRS, Class NK

## Application fit compare to PSR, PSRC & PSE



For more information visit:  
[solutions.abb/softstarters](https://solutions.abb/softstarters)



### Complete motor protection

The PSTX offers complete motor protection and is able to handle both load and network irregularities. PT-100, earth fault protection and over/under voltage protection along with many other functions keep your motor safer than ever.



### Built-in application enhanced features

Time to use your processes to their full potential. The PSTX features many application enhancing features, including torque control, standstill brake, dynamic brake, motor heating, pump cleaning, underload, and lock rotor protections to securing uptime of your system.



### Flexible communications

Built-in Modbus and as an option Anybus for all major communication protocols such as Modbus RTU, Profibus, Profinet, Ethercat, BACnet, Ethernet and DeviceNet.