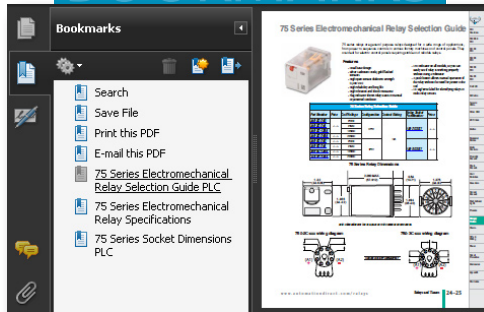




## STELLAR<sup>®</sup> soft starters

# Soft Starters

## BOOKMARKS



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# Stellar® Series Soft Starters

## Fully Digital with Touchscreen, 3-Phase Soft Starters SR55 Series, 17A – 477A

SR55 soft starters are fully digital, and use thyristors in all three motor phases for controlled reduced voltage motor starting and stopping. SR55 series starters have an Automatic Application Setup that fully configures the starter for a specific application with one entry. And the SR55 series has built-in internal bypass relays and patented iERS (intelligent Energy Recovery System) that reduces energy costs when used on lightly loaded and oversized motors.



### Features

- 17-477A @ 200-480VAC
- 24VDC, 110VAC, or 230VAC selectable control voltage
- Internally bypassed during run
- Fully programmable, full three-phase motor control
- Built-in SCR failure protection, full motor overload protection
- Full data logging (fault records, motor current, operational status, etc.)
- Easily and separately adjustable motor start and stop times
- iERS (intelligent Energy Recovery System) saves energy on lightly-loaded motors
- Can be connected 'in-the-delta', allowing use of a smaller Soft Starter
- Can be used for motor reversing (with external contactors)
- Touchscreen with easy-to-navigate menu structure and quick automatic application set up
- Can be used with local or remote control
- Integrated Modbus RTU, or optional Modbus TCP or EtherNet/IP communication
- Configure and view parameters as well as view logs using StellarLink software



## The Stellar Advantage

Our Stellar Series of soft starters are designed to help you reduce mechanical wear and tear on startup, reduce energy costs and help you minimize loss of production hours from equipment breakdown.

### When to use a soft starter?

General purpose soft start applications are suitable where traditional cross-the-line starting or wye-delta starting would typically be appropriate. Stellar soft starters should not be used if the starting time will exceed 30

seconds.

## Why purchase your soft starter from AutomationDirect?

- **Our soft starters are IN-STOCK and ready to ship**
- **FREE 2-day delivery when you order \$49 or more**
- **FREE 30-day money-back guarantee**
- **FREE #1 voted tech support**
- **VALUE PRICING on everything we sell - you'll always get our best price whether you order 1 or 100 items**

## 3-Phase Basic Soft Starters up to 450 hp! SR35 Series, 17A – 361A



The SR35 series is an ideal substitute for a Star/Delta starter the provides easy setup and configuration through the built-in menu as well as the ability to store and load to/from a USB drive for quick duplication of parameters. Automatic application configuration is supported to reduce configuration time but custom configuration is also supported. The SR35 soft starters use thyristors on two of the main phases for controlled reduced voltage motor starting and stopping, then switch to internal bypass contacts for efficient running at rated speed.

The SR35 series offers many optional accessories to improve upon this already versatile soft starter such as increasing the supported starts per hour from 5 to 40 by adding an optional fan or expanding upon the built-in I/O by adding the optional auxiliary I/O module.

### Features

- 17-361A @ 208-230/460/575 VAC
- 1.5-242A @ 110-120/220-240 VAC single-phase
- 24 VDC control power, 110-230 VAC with optional SR35-PSU
- 24 VDC (110-230 VAC with SR35-PSU) for 2 built-in digital inputs, 2 built-in relay outputs
- Optional module adds additional 2 DC inputs and 2 relays outputs as well as PTC Thermistor
- Modbus RTU communications supported
- Internal bypass contacts for Run
- Easily programmed to adjust motor start voltage and start and stop times
- Viewable fault history
- Optional remote keypad
- Suitable for a wide variety of motor loads
- IP20 (up to SR35-192 with finger guards installed)
- Built-in electronic motor overload
- Configure and view parameters as well as view logs using StellarLink software
- Two year warranty

## WEG SSW07 Series, 17A – 412A



The SSW07, with DSP (Digital Signal Processor) control, is another option as a substitute for a Star/Delta starter. The SSW07 was designed to provide great performance on motor starts and stops with an excellent cost-benefit ratio. With a simplified setup, the SSW07 ensures start-up activities and daily operations go smoothly. The SSW07 is also compact, optimizing space in electric panels.

### Features

- Universal voltage (220-575 VAC)
- Built-in run rated (AC1) bypass contactor
- Significant reduction of mechanical stresses through the coupling and transmission devices (gearboxes, pulleys, gears, conveyors, etc.) during the start
- Easy operation, setup, maintenance and installation
- Operates in environments up to 131°F (55°C) without current reduction
- Built-in electronic overload relay
- Limitation of voltage drop during start
- Conformal coated circuit boards

## Compact 3-Phase Soft Starters at Direct Prices

### SR22 Series, 5A – 40A



The SR22 series is a low-cost family perfect for use in applications where space is a concern. The SR22 soft starters use thyristors for controlled reduced voltage motor starting and stopping, then switch to internal bypass contacts for efficient running at rated speed. 3-potentiometer setup (Start Voltage, Start Time, and Stop Time) make installation and commissioning easy.

### Features

- 5–40A @ 208–460V
- 5–40A @ 110-240V single-phase
- 24 VDC control voltage
- Easily and separately adjustable motor start and stop times
- Two-phase control
- Internal bypass contacts for run
- DIN rail mounting
- Two standard-size widths: 45 & 55 mm
- Six error/trip indications: AC Supply, Control Supply, Overheated, Bypass Failure, Shear Pin, Overcurrent
- Two-year warranty

### WEG SSW05 Series, 10A – 85A



The WEG SSW05 Soft Starter is a compact, fully digital soft starter with a state-of-the-art DSP (Digital Signal Processor) controller. Simple set-up and operation are assured since all parameters and set-up selections are made via DIP switches and potentiometers. Status LEDs alert the user of the operational status of the SSW05. Simplicity, ease of set-up, and the small panel assure quick and easy installation and operation. The SSW05 can fit into the same space as many across the line motor starters and can control motors with an FLA from 10 to 85 amps.

### Features

- 208-480 VAC, 50/60 Hz input power supply
- Duty cycle: 300% rated current for 10 seconds, 4 starts per hour
- Built-in bypass contactor
- Adjustable acceleration and deceleration ramps (1-20 sec)
- Adjustable pedestal voltage (30-80% of line voltage)
- Protective features:
  - Motor overload
  - Overcurrent and locked rotor
  - SCR overload
  - Phase loss and phase sequence
- DIN rail or direct mount
- Optional remote keypad