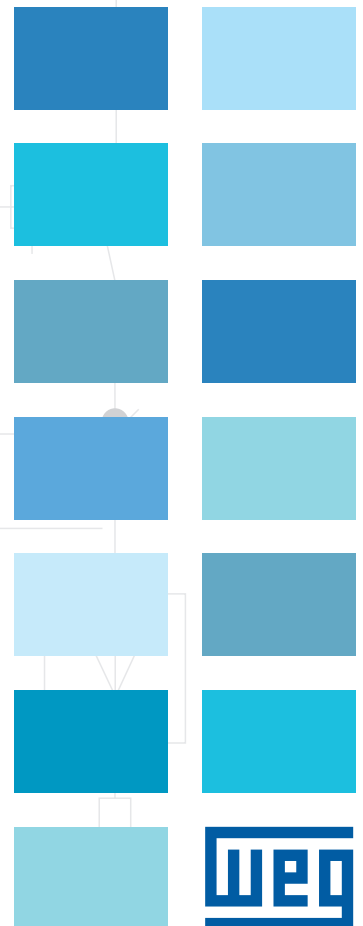
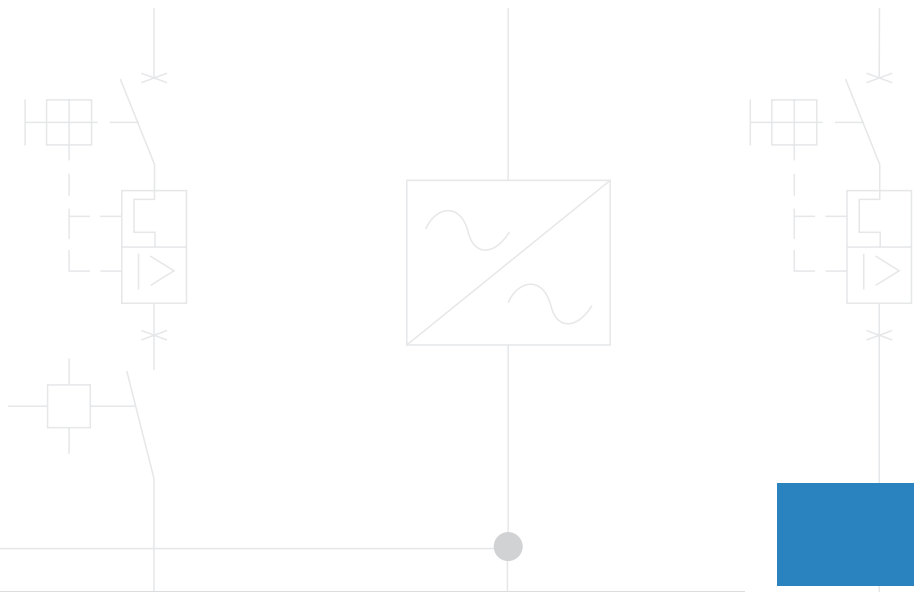


# SSW05

## Soft Starter

- Tough
- Reliable
- Durable
- Quality



3 M

3 M



# Soft Starters SSW05

The WEG SSW05 Soft Starter is a super compact fully digital soft starter with a state-of-the-art DSP controller. Its digital construction provides optimum operation, diagnostics capability and full motor protection. Simplicity in set-up and operation is assured since all parameters and set-up selections are made via dip switches and potentiometers. Status LED's alert the user of the operational status of the SSW05. Simplicity, ease of set-up, and the micro size assures quick and easy installation and operation.



### Applications\*

- Pumps
- Fans
- Blowers
- Compressors

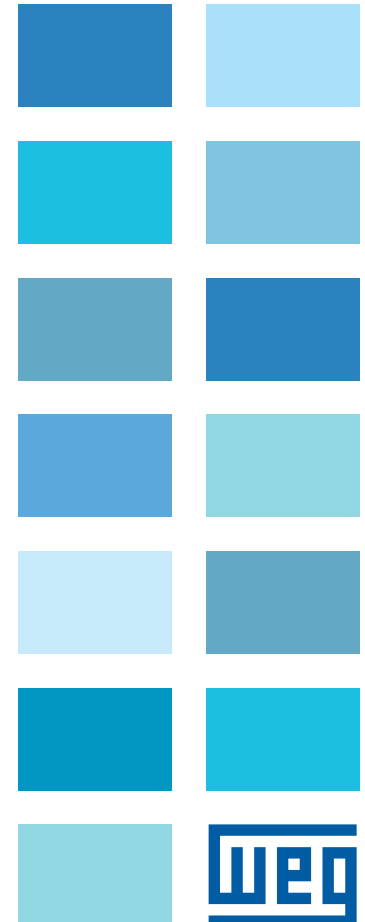
### Standard Features

- 208 - 480V, 50/60Hz input power supply
- Duty cycle: 300% rated current during 10 seconds, 4 starts per hour
- Built-in bypass
- One digital input for Start/Stop (90 - 250 Vac)
- One digital input for Fault Reset (90 - 250 Vac)
- One relay output for Run indication (1 Amp - 250V)
- One relay output for Full Voltage indication (1 Amp - 250V)
- RS-232 serial port
- Adjustable acceleration and deceleration ramps (1 - 20 seconds)
- Adjustable pedestal voltage (30 - 80% of line voltage)
- Protective features: Motor overload, over current and locked rotor, SCR overload, phase loss and phase sequence
- DIN rail or direct mount
- Ambient: 32°F (0°C) to 131°F (55°C), 3300ft (1000m) altitude, 90% non-condensing humidity

### Optional Features

- Remote Keypad
- PC Programming Software

\* For high inertia loads, see SSW07 product line.



# Soft Starters

## SSW05

### Protected Chassis Enclosure



Motor Volts	Motor HP	Soft Starter AMPS	Catalog Number	Frame Size	Dimensions (in.) H x W x D	App. Shpg. Wt. (lbs.)
230V	INPUT POWER SUPPLY: THREE-PHASE - 230V					
	3	10	<a href="#">SSW050010T2246EPZ</a>	1	5.1 X 2.3 X 5.7	3
	5	16	<a href="#">SSW050016T2246EPZ</a>	1	5.1 X 2.3 X 5.7	3
	7.5	23	<a href="#">SSW050023T2246EPZ</a>	1	5.1 X 2.3 X 5.7	3
	10	30	<a href="#">SSW050030T2246EPZ</a>	1	5.1 X 2.3 X 5.7	3
	15	45	<a href="#">SSW050045T2246EPZ</a>	2	7.3 X 3.1 X 6.8	6
	20	60	<a href="#">SSW050060T2246EPZ</a>	2	7.3 X 3.1 X 6.8	6
460V	INPUT POWER SUPPLY: THREE-PHASE - 460V					
	5	10	<a href="#">SSW050010T2246EPZ</a>	1	5.1 X 2.3 X 5.7	3
	10	16	<a href="#">SSW050016T2246EPZ</a>	1	5.1 X 2.3 X 5.7	3
	15	23	<a href="#">SSW050023T2246EPZ</a>	1	5.1 X 2.3 X 5.7	3
	20	30	<a href="#">SSW050030T2246EPZ</a>	1	5.1 X 2.3 X 5.7	3
	30	45	<a href="#">SSW050045T2246EPZ</a>	2	7.3 X 3.1 X 6.8	6
	40	60	<a href="#">SSW050060T2246EPZ</a>	2	7.3 X 3.1 X 6.8	6
60	85	<a href="#">SSW050085T2246EPZ</a>	2	7.3 X 3.1 X 6.8	6	

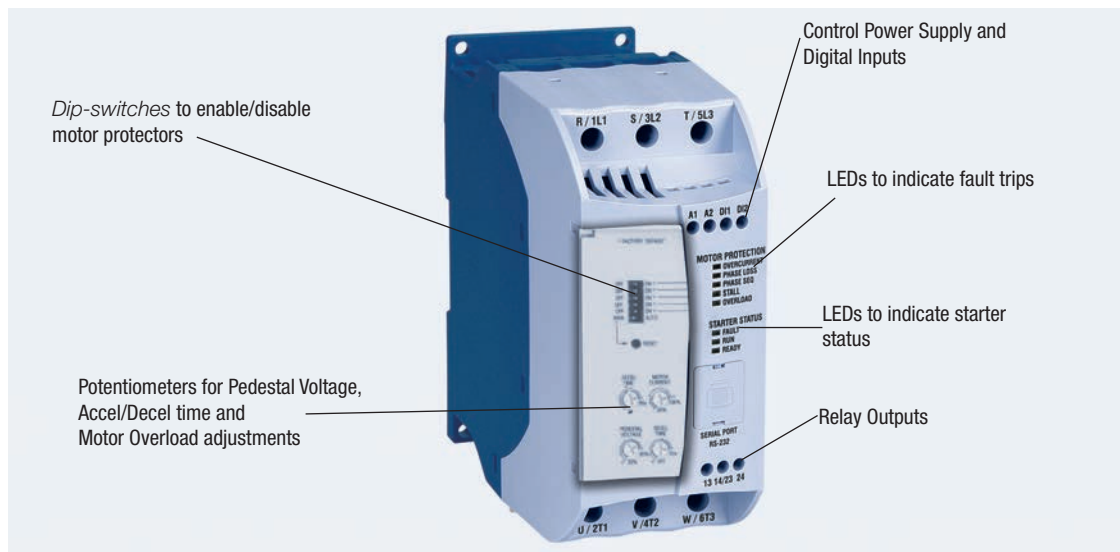
**Notes:**

- 1) "HP" rating based on Table 430-150 of the NEC. Use as a guide only. Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of starter.
- 2) 120V Control Power Supply required.
- 3) For other technical data please refer to WEG product manual.

### SSW05 – Accessories

Description	Catalog Number
Remote Keypad with LED Display	<a href="#">HMI-SSW05-RS</a>
3.3 ft. Remote Keypad Cable	<a href="#">CAB-RS-1</a>
6.6 ft. Remote Keypad Cable	<a href="#">CAB-RS-2</a>
10 ft. Remote Keypad Cable	<a href="#">CAB-RS-3</a>
15 ft. Remote Keypad Cable	<a href="#">CAB-RS-5</a>
25 ft. Remote Keypad Cable	<a href="#">CAB-RS-7.5</a>
33 ft. Remote Keypad Cable	<a href="#">CAB-RS-10</a>

### Settings and Indications Open View Panel



# Soft Starters

## SSW05

### SSW05 – Technical Data

<b>Power Supply</b>	Main Voltage	220 ... 460 Vac (+10%, -15%)
	Control Voltage	90 ...250 Vac
	Frequency	50 / 60Hz (+/- 5Hz)
<b>Enclosure</b>	IP00 Protected Chassis	
<b>Duty Cycle</b>	300% rated current during 10 seconds, 4 starts per hour	
<b>Control Inputs</b>	Digital	One input for Start/Stop (90 - 250 Vac)
		One input for Fault Reset (90 - 250 Vac)
<b>Control Outputs</b>	Digital	One relay output for Run indication (1 Amp - 250V)
		One relay output for Full Voltage indication (1 Amp - 250V)
<b>Communication</b>	Serial Interface	RS-232C
<b>Safety</b>	Protections	Motor overload*
		Locked rotor*
		Over current*
		Phase sequence*
		Phase loss*
	* Can be disabled	SCR overload
<b>Control Features</b>	Pedestal Voltage	30 ... 80% of line voltage
	Accel Ramp	1 ... 20 seconds
	Decel Ramp	Off ... 20 seconds
	Motor Current	30 ... 100% of SSW-05 rating
	Fault Reset	Manual or Automatic
<b>Ambient</b>	Temperature	32 ... 131°F (0 - 55°C)
	Humidity	0 ... 90% Non Condensing
	Altitude	0 ... 1000m (3,300 ft) - Standard Operation at Rated Current Up to 4000m (13,200 ft) - With Current Derating (1%/100m (328 ft) above 1000m (3,200 ft) )
<b>Conformities</b>	Low Voltage	UL 508 - Industrial Control Equipment
		IEC 60947-4-2
	EMC	EMC Directive 89 / 336 / EEC - Industrial Environment, Class A



**24/7 Technical Support**

*for Drives and Soft Starters*

**1-877-WEG-DRIV**  
(934-3748)



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