



SOFT STARTERS

FRACTIONAL HP

GENERAL PURPOSE

NEMA PREMIUM EFFICIENCY

CRUSHER® DUTY

IEC TRU-METRIC™

PUMP MOTORS

DEFINITE PURPOSE

ADD-ON™ MODIFICATIONS

MOTOR TECHNICAL DATA

DRIVES & SOFT STARTERS

CONTROLS

SSW05

The 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 LEDs 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 bur
- Built-in bypass contacts
- 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



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.)	List Price	Multiplier Symbol
230V	INPUT POWER SUPPLY: THREE-PHASE - 230V							
	3	10	SSW050010T2246EPZ	1	5.1 X 2.3 X 5.7	3	\$ 531	E1
	5	16	SSW050016T2246EPZ	1	5.1 X 2.3 X 5.7	3	\$ 603	E1
	7.5	23	SSW050023T2246EPZ	1	5.1 X 2.3 X 5.7	3	\$ 694	E1
	10	30	SSW050030T2246EPZ	1	5.1 X 2.3 X 5.7	3	\$ 754	E1
	15	45	SSW050045T2246EPZ	2	7.3 X 3.1 X 6.8	6	\$ 943	E1
	20	60	SSW050060T2246EPZ	2	7.3 X 3.1 X 6.8	6	\$ 1,135	E1
	30	85	SSW050085T2246EPZ	2	7.3 X 3.1 X 6.8	6	\$ 1,382	E1
460V	INPUT POWER SUPPLY: THREE-PHASE - 460V							
	5	10	SSW050010T2246EPZ	1	5.1 X 2.3 X 5.7	3	\$ 531	E1
	10	16	SSW050016T2246EPZ	1	5.1 X 2.3 X 5.7	3	\$ 603	E1
	15	23	SSW050023T2246EPZ	1	5.1 X 2.3 X 5.7	3	\$ 694	E1
	20	30	SSW050030T2246EPZ	1	5.1 X 2.3 X 5.7	3	\$ 754	E1
	30	45	SSW050045T2246EPZ	2	7.3 X 3.1 X 6.8	6	\$ 943	E1
	40	60	SSW050060T2246EPZ	2	7.3 X 3.1 X 6.8	6	\$ 1,135	E1
	60	85	SSW050085T2246EPZ	2	7.3 X 3.1 X 6.8	6	\$ 1,382	E1

- 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	List Price	Multiplier Symbol
Remote Keypad with LED Display	HMI-SSW05-RS	\$ 120	E1
3.3 ft. Remote Keypad Cable	CAB-RS-1	\$ 14	V1
6.6 ft. Remote Keypad Cable	CAB-RS-2	\$ 17	V1
10 ft. Remote Keypad Cable	CAB-RS-3	\$ 20	V1
15 ft. Remote Keypad Cable	CAB-RS-5	\$ 33	V1
25 ft. Remote Keypad Cable	CAB-RS-7.5	\$ 37	V1
33 ft. Remote Keypad Cable	CAB-RS-10	\$ 43	V1

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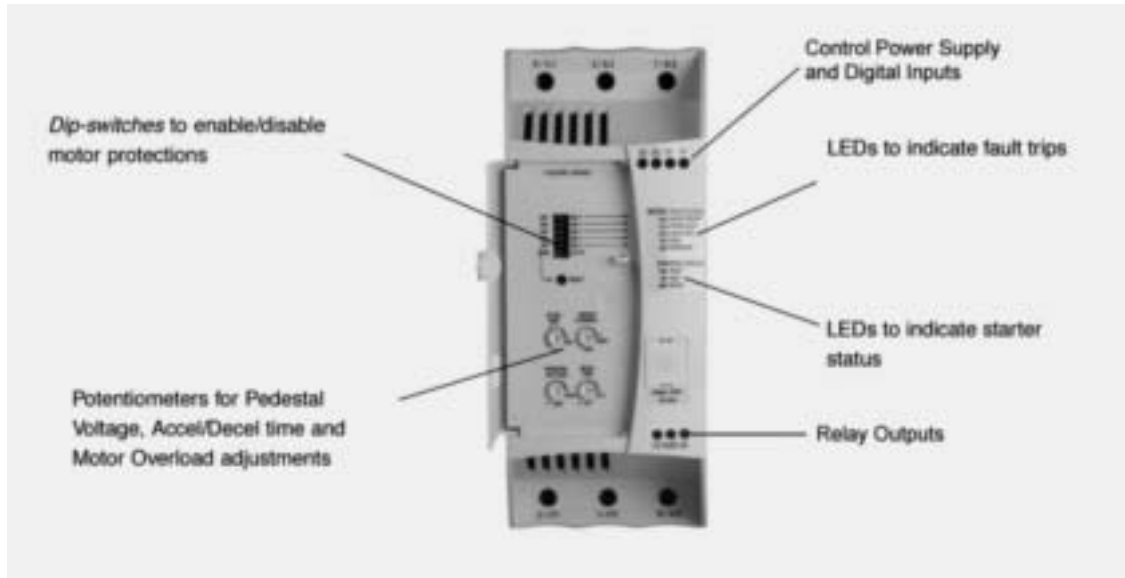
ADD-ON™ MODIFICATIONS

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SSW05 – SETTINGS AND INDICATIONS



SSW05 – TECHNICAL DATA

POWER SUPPLY	Main Voltage	220 ... 460 Vac (+10%, -15%)
	Control Voltage	90 ... 250 Vac
	Frequency	50 / 60Hz (+/- 5Hz)
ENCLOSURE		IP00 Protected Chassis
DUTY CYCLE		300% rated current during 10 seconds, 4 starts per hour
CONTROL INPUTS	Digital	One input for Start / Stop (90 - 250 Vac)
		One input for Fault Reset (90 - 250 Vac)
CONTROL OUTPUTS	Digital	One relay output for Run indication (1 Amp - 250V)
		One relay output for Full Voltage indication (1 Amp - 250V)
COMMUNICATION	Serial Interface	RS-232C
SAFETY	Protections	Motor overload*
		Locked rotor*
		Over current*
		Phase sequence*
		Phase loss*
		SCR overload
	*Can be disabled	
CONTROL FEATURES	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
AMBIENT	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 (328ft))
CONFORMITIES	Low Voltage	UL 508 - Industrial Control Equipment IEC 60947-4-2
	EMC	EMC Directive 89 / 336 / EEC - Industrial Environment, Class A