

Soft Starters

SSW 06

SSW 06



Sales

1-800-ASK-4WEG
275 4934

Tech Support

1-877-WEG-DRIV
934 3748

SSW06.01.07





- 25 to 350 HP
- 200-600V, 50/60Hz Input Power Supply
- 85 to 365 Amps
- Protected Chassis Enclosure
- Duty Cycle: 300% of full load current for 30 seconds, 10 starts per hour
- Built-in run rated (AC1) bypass contacts

TECHNICAL DATA

POWER SUPPLY	Max. Voltage	Three-phase 250 - 670VAC ± 3% (1.5)																					
	Surge Voltage	Single-phase 10 - 230 VAC ± 10% (50% Full load for 250 VAC only for frame sizes 4																					
RNC CABLE	Frequency	50/60 Hz (1.5 - 3.0)																					
	Wiring Diagram	IP00 (Degree of Protection)																					
MOTOR	Motor	General Purpose Motor, Universal Motor, etc.																					
	Method	Voltage ramp, Current Limit, Ramp, Hold																					
STARTING	Power Supply	3-Phase, 3-wire																					
	CEI	50 or 60 Hz (Maximum speed)																					
STARTING DUTY	Max. Motor	50% (30 minutes) (1.5/3.0)																					
	Max. Motor	400% (30 seconds) (1.5/3.0) (300% current limiting)																					
CONTROL	Display	3-Phase VFD program, 3-phase motor inputs 1x Motor, 2x Thermistor																					
	Relay	3 programmable outputs 240 VAC / 1A Form A Contact (NO) 1 frequency output 240 VAC / 1A Form C Contact (NO/NC)																					
CONTROL OUTPUTS	Relay	1 Programmable output 240 VAC / 1A (NO) 1 Programmable output 240 VAC / 20mA or 4 - 20mA Under voltage, phase failure, phase imbalance																					
	Protection	<table border="1"> <tr> <td>Excess current limit time</td> <td>Motor locked rotor</td> </tr> <tr> <td>Motor overload (OC)</td> <td>Motor Over Current and Under Current</td> </tr> <tr> <td>Isolated Fault</td> <td>Phase sequence</td> </tr> <tr> <td>Soft starter error</td> <td>Control Under Voltage</td> </tr> <tr> <td>Motor disconnected</td> <td>Open terminal voltage</td> </tr> <tr> <td>Over Voltage</td> <td>Over current bypass</td> </tr> <tr> <td>Over current error</td> <td>Immediate over current during bypass</td> </tr> <tr> <td>Control lockout error</td> <td>Control imbalance</td> </tr> <tr> <td>Keyboard connection error</td> <td>Phase sequence error</td> </tr> <tr> <td>Motor Over temperature (via Thermistor input)</td> <td>Under current system error</td> </tr> <tr> <td>Soft starter pressure</td> <td>Bypass contact not opened</td> </tr> </table>	Excess current limit time	Motor locked rotor	Motor overload (OC)	Motor Over Current and Under Current	Isolated Fault	Phase sequence	Soft starter error	Control Under Voltage	Motor disconnected	Open terminal voltage	Over Voltage	Over current bypass	Over current error	Immediate over current during bypass	Control lockout error	Control imbalance	Keyboard connection error	Phase sequence error	Motor Over temperature (via Thermistor input)	Under current system error	Soft starter pressure
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FUNCTIONS / FEATURES	Standard	<ul style="list-style-type: none"> 3-phase operator interface, configurable with dual display, LED + LCD Phase failure lockout protection LED display for phase selection, Error Signal, Alarm and Parameter Local / Remote operation selection 9-14/11/24/48 V function (with 4 hammer protection for ramp) DOF (Dead On) (Soft Starter) Keylock for Repair to Soft Starter Soft Starter Local Bypass contact 240 V AC 1-phase motor input (Needs External Contact) SS 202 Start-Up Mode Motor Protection (IP00) Programmable line voltage Programmable initial (program) voltage Programmable acceleration ramp Programmable deceleration ramp Programmable stop time Programmable stop voltage for coasting Programmable stop voltage Programmable immediate motor over current Programmable immediate over current time Programmable immediate motor under current Programmable immediate under current time Programmable fault clearance Programmable motor thermal memory clearance Motor thermal protection (via motor data) Motor Service Factor 																					
	Optional	<ul style="list-style-type: none"> Soft starter under voltage lockout (U.V.LO) Soft starter under current (U.C.LO) Motor Stop, Run and Stop warning Motor and deceleration parameters and stop contact Soft starter bypass contact (1.5/3.0) with under current Motor under current Motor under 15% of motor rated current Line frequency 20 - 80 Hz Line voltage 0 - 600VAC Soft starter (1.5/3.0) (1.5/3.0) Motor under current (1.5/3.0) Motor under power (1.5/3.0) Motor apparent power (kW) Soft starter status Speed and current (1.5/3.0) Motor power factor (0.6 - 0.99) Time function Time function Time limit fault signal Soft starter frequency selection Motor thermal protection (via motor data) Motor under current (1.5/3.0) with R-S-T Line voltage selection (R-S-T) (1.5/3.0) 																					
REVERSE	Programming / Connection	<ul style="list-style-type: none"> Motor Stop, Run and Stop warning Motor and deceleration parameters and stop contact Soft starter bypass contact (1.5/3.0) with under current Motor under current Motor under 15% of motor rated current Line frequency 20 - 80 Hz Line voltage 0 - 600VAC Soft starter (1.5/3.0) (1.5/3.0) Motor under current (1.5/3.0) Motor under power (1.5/3.0) Motor apparent power (kW) Soft starter status Speed and current (1.5/3.0) Motor power factor (0.6 - 0.99) Time function Time function Time limit fault signal Soft starter frequency selection Motor thermal protection (via motor data) Motor under current (1.5/3.0) with R-S-T Line voltage selection (R-S-T) (1.5/3.0) 																					
	Testing / Settings	<ul style="list-style-type: none"> Motor Stop, Run and Stop warning Motor and deceleration parameters and stop contact Soft starter bypass contact (1.5/3.0) with under current Motor under current Motor under 15% of motor rated current Line frequency 20 - 80 Hz Line voltage 0 - 600VAC Soft starter (1.5/3.0) (1.5/3.0) Motor under current (1.5/3.0) Motor under power (1.5/3.0) Motor apparent power (kW) Soft starter status Speed and current (1.5/3.0) Motor power factor (0.6 - 0.99) Time function Time function Time limit fault signal Soft starter frequency selection Motor thermal protection (via motor data) Motor under current (1.5/3.0) with R-S-T Line voltage selection (R-S-T) (1.5/3.0) 																					
AMBIENT	Temperature	0 - 131°F (0 - 55°C) (ambient temperature of other ambient)																					
	Humidity	20 - 100% non condensing																					
CONFORMITIES	Altitude	0 - 2000 ft (0 - 600 m) (ambient temperature of other ambient)																					
	Safety	UL 508 Standard - Industrial Control Equipment																					
CE MARKING	CE Marking	EN 60947-2 Standard, IEC 61812, IEC 61813 - Low Voltage Directive																					
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PROTECTED CHASSIS ENCLOSURE

Motor Volts	Motor HP	Soft Starter AMPS	Catalog Number	Dimensions (in.) H x W x D	App. Shpg. Wt. (lbs.)
230V	INPUT POWER SUPPLY: THREE-PHASE - 230V				
	25 / 30	85	SSW06008512257LSZ	14.6 x 5.2 x 9.6	19
	50	130	SSW060130T2257ESZ	14.6 x 5.2 x 9.6	19
	60	170	SSW060170T2257ESZ	17.3 x 8.8 x 11	41
	75	205	SSW060205T2257ESZ	17.3 x 8.8 x 11	41
	100	255	SSW060255T2257ESZ	21.6 x 14.6 x 12.3	87
	125	312	SSW060312T2257FSZ	21.6 x 14.6 x 12.3	87
460V	INPUT POWER SUPPLY: THREE-PHASE - 460V				
	50 / 60	85	SSW060085T2257ESZ	14.6 x 5.2 x 9.6	19
	75 / 100	130	SSW060130T2257FSZ	14.6 x 5.2 x 9.6	19
	125	170	SSW060170T2257FSZ	17.3 x 8.8 x 11	41
	150	205	SSW060205T2257FSZ	17.3 x 8.8 x 11	41
	200	255	SSW060255T2257ESZ	21.6 x 14.6 x 12.3	87
	250	312	SSW060312T2257ESZ	21.6 x 14.6 x 12.3	87
575V	INPUT POWER SUPPLY: THREE-PHASE - 575V				
	75	85	SSW060085T2257ESZ	14.6 x 5.2 x 9.6	19
	100 / 125	130	SSW060130T2257ESZ	14.6 x 5.2 x 9.6	19
	150	170	SSW060170T2257FSZ	17.3 x 8.8 x 11	41
	200	205	SSW060205T2257FSZ	17.3 x 8.8 x 11	41
	250	255	SSW060255T2257ESZ	21.6 x 14.6 x 12.3	87
	300	312	SSW06031212257LSZ	21.6 x 14.6 x 12.3	87
	350	365	SSW060365T2257FSZ	21.6 x 14.6 x 12.3	87

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 or 240V Control Power Supply required. 3) For other technical data, please refer to the WEG product manual.

ACCESSORIES

	Description	Catalog Number
Keypads and Keypad Cables	Standard Keypad with LCD & LCD	HMI-SSW05-LCD
	Remote Keypad FRAME KIT	KWR-SFWNE
	3.3 ft. Remote Keypad Cable	CAD-HMI-SSW05-1
	6.6 ft. Remote Keypad Cable	CAD-HMI-SSW05-2
	10 ft. Remote Keypad Cable	CAD-HMI-SSW05-3
	16 ft. Remote Keypad Cable	CAD-HMI-SSW05-5
Communication	Ethernet/IP Communication Kit	KTD-PD-SSW05
	FieldNet Communication Kit	KFP-DNF-SSW05
	Interface for RS-485 Communication	KRS-485-SSW05
IP20 Kits	SSW06-IP20 KIT-1 (87-2257LSZ)	KIT-IP20-SSW05-M7
	SSW06-IP20 KIT-3 (170-205A)	KIT-IP20-SSW05-M3
	SSW06-IP20 KIT-SZ-4 (255-365A)	KIT-IP20-SSW05-M4
	SSW06-IP20 KIT-SZ-2 (85-130A)	SSW06-LK05E130
Lug Kits	SSW06-LUG KIT-SZ-3 (170-205A)	SSW06-LK17023E
	SSW06-LUG KIT-SZ-4 (255-365A)	SSW06-LK255-53E

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934 3748

www.wegelectric.com



WEG Electric Motors Corp.
1327 Northbrook Parkway, Suite 490
Suwanee, GA 30024