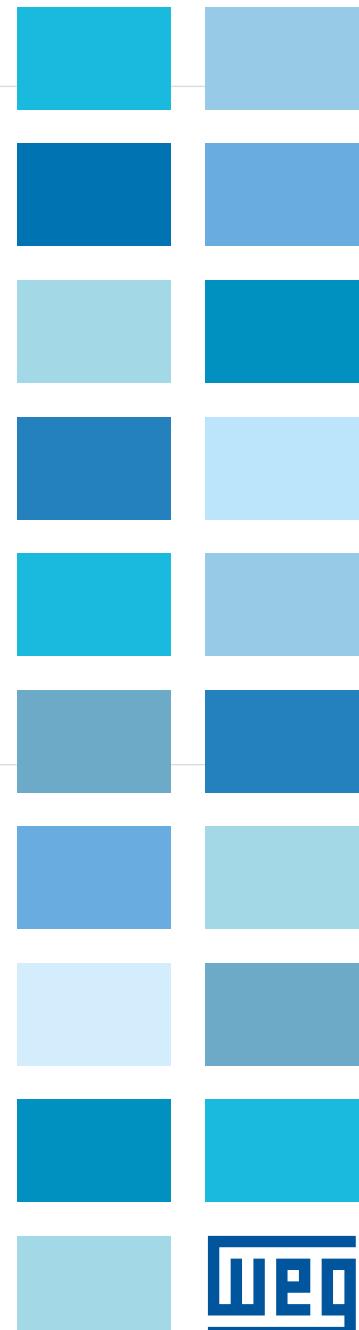
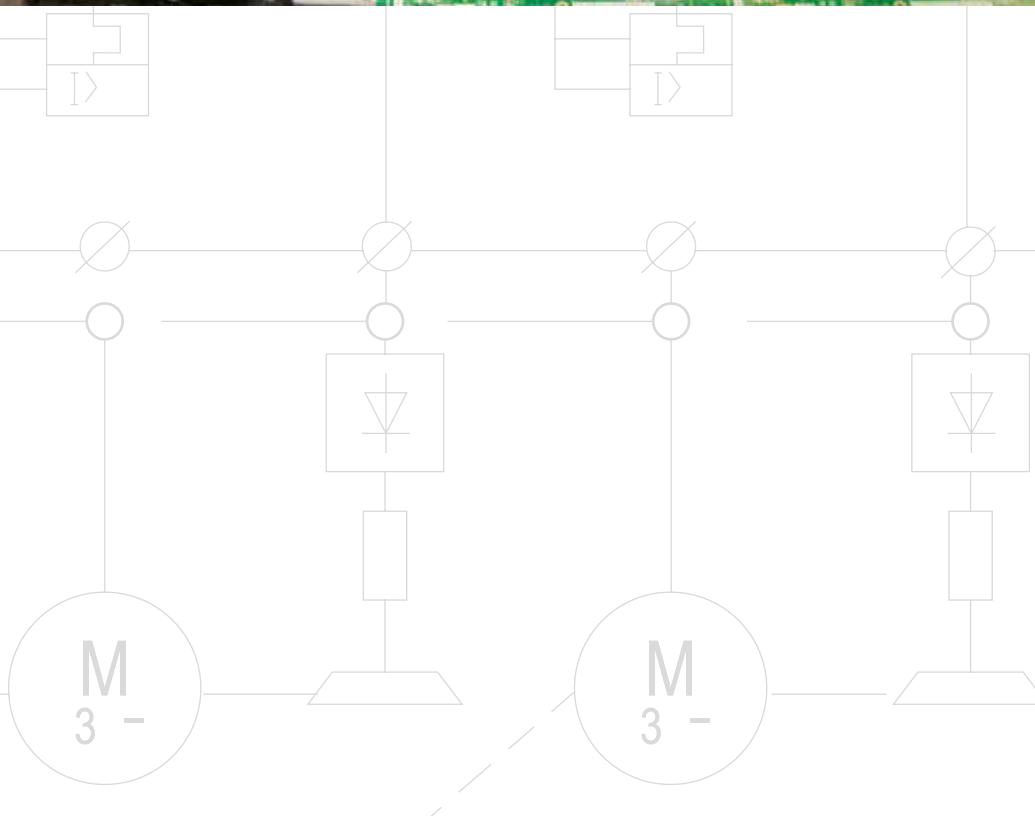
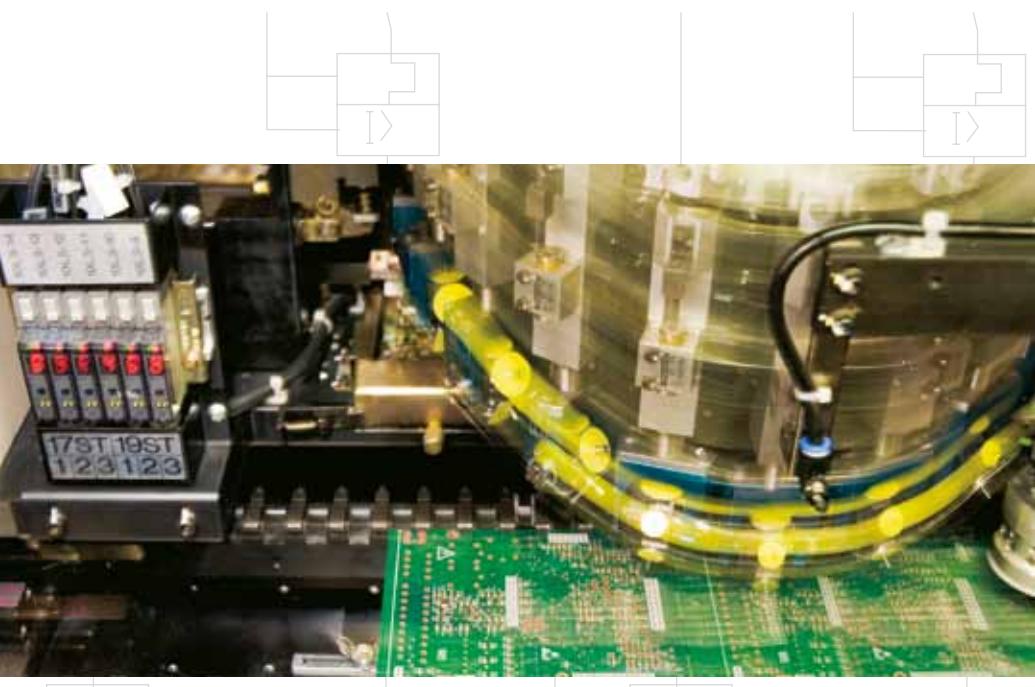


Automation

Drives and Controls



Contactors and Overload Relays

- Complete line (9 to 800A / AC-3)
- Quick mounting on 35mm DIN rail
- Direct mounting on overload relays
- Overload relays with phase failure sensitivity, according to IEC60947-4-1
- Standard, tripping class 10



Accessories and Spare Parts

- Accessories for contactors from 9 to 800A (modular line)
- Four-terminal coils up to 40A
- Coils available in AC and DC voltage
- Spare parts for the whole line (Ex.: contact set)



Mini-Contactor CWC

- AC-3 operation up to 22A
- Mini-contactor CWC07 to CWC016 AC and DC coil with the same dimensions
- Allows operation under the AC-4 duty
- Low-consumption DC coil
- Spring terminals CWC0S series



Easy Connection

- Star-delta wiring kits up to 45kW @ 230/240V and 90kW at 400/415V
- Reversing wiring kits up to 22kW @ 230/240V and 45kW at 400/415V



Timers and Electronic Monitoring Relays

- RTW timers up to 150 hours with 9 temporization functions
- RPW electronic monitoring relays for functions: phase loss, phase sequence, phase loss and sequence, undervoltage and overvoltage and temperature monitoring with PTC sensor
- RNW level relays – for filling or draining functions



Pushbuttons and Pilot Lights

- Modern and easy to use
- Pilot Light blocks with integrated LED
- Designed according to IEC/EN60974-5-1
- Degree of protection IP66
- Contacts blocks and flanges with quick and easy mounting system



Enclosed Starters

- Three-phase and single-phase DOL starters up to 450kW @ 400V / 50Hz and 600HP @ 480V / 60Hz
- Star-Delta starters up to 800kW @ 400V / 50Hz and 1250HP @ 480V / 60Hz
- Reverser starters up to 355kW @ 400V / 50Hz and 500HP @ 480V / 60Hz
- Thermoplastic and metallic enclosure
- IEC and UL versions



Motor Protective Circuit-Breaker MPW

- Compact solution for electric circuit protection, motor starting/protection up to 45kW @ 400/415V
- Adjustable thermal tripping for motor overload protection with phase failure-sensitivity, according to IEC 60947-4-1, with tripping class 10
- Magnetic tripping (protection against short-circuit) fixed at 13xIn
- High short-circuit breaking capacity



Terminal Blocks

Screw Connection - BTWP Line

- Complete line from 2.5 to 240mm²
- Cable inputs in the shape of a cone to facilitate insertion
- Built in protection against screw loosening
- Wide range of accessories



Spring Connection - BTWM Line

- 2.5 to 10mm² line
- Stainless steel spring
- Uniform contact pressure
- Wide range of accessories



Smart Relay SRW01

- PLC mode
- USB communication
- Several protection, monitoring and operating modes
- Programmable via WLP software or HMI
- ProfiBus, ModBus or DeviceNet communication via exchangeable communication modules
- 4 digital inputs and 4 digital outputs
- Digital expansion unit: 6 digital inputs and 4 digital outputs
- Current Measurement Units from 0.25 A up to 840 A
- Earth Leakage Sensor for earth leakage protection



Air Circuit-Breakers ABW

Switching and protection for electrical circuits

- Complete solution for high power circuit protection
- Rated currents up to 6300A
- Available in fixed and withdrawable versions
- High short circuit breaking capacities
- Electronic type protection relays
- Complete line of accessories



Variable Frequency Drives

WEG VFDS incorporate the most advanced world wide technology for speed variation.

CFW08

- Power rating: 0.25 to 20HP (0.18 to 15kW)
- Power supply: 200...240V and 380...480V
- V/Hz (scalar) or sensorless vector control
- Sinusoidal PWM modulation
- Space Vector Modulation
- EMC filters (built-in)
- Modbus RTU communication (built-in), CANopen, DeviceNet and Profibus-DP (optional)
- PID regulator
- DSP control
- Remote Human Machine Interface (HMI)
- IP66 version (wash duty)



CFW08



CFW08 Wash NEMA4X (IP56)

CFW09

- Power rating: 1.5 to 500HP (1.1 to 355kW)
- Power supply: 200...240V, 380...480V and 500...600/690V
- V/Hz (Scalar), sensorless vector or closed loop vector control
- Optimal braking
- Dynamic brake (optional)
- Regenerative converter (optional)
- EMC filters (optional)
- Fieldbus communication: Profibus-DP (optional), DeviceNet (optional), Device Net Drive Profile (optional), METASYS N2 Johnson Controls (optional) and Modbus RTU (built-in)
- IP20 enclosure up to 500HP (315kW)
- PLC and positioning control functions board
- Optimal flux function - a unique solution providing rated torque at low speeds without forced ventilation or motor oversizing.



CFW09

CFW10

- Power rating: 0.25 to 5HP (0.18 to 3.7kW)
- Power supply: 110...127V and 200...240V
- Rated output voltage: 200...240V
- Single and three phase power supply
- Sinusoidal PWM modulation - Space Vector Modulation
- EMC filters (built-in)
- Latest generation IGBT modules and electronic circuits with SMD components
- DSP control
- Compact dimensions, simplified installation and operation
- Speed adjustment via potentiometer is available



Potentiometer version

CFW10

Certification



Variable Frequency Drives

CFW11

- Power rating: 1 to 600HP (0.75 to 450kW)
- Power supply: 200-240V and 380-480V
- Human-machine interface (HMI) with backlight, graphic display and soft-keys, and real time clock
- Plug-and-play philosophy
- USB connection
- Memory Card built-in
- Great variety of control accessories:
 - I/O expansion boards (digital and analog)
 - Incremental encoder interface and communication
- PLC and Positioning function board
- Communication:
 - Profibus, DeviceNet, CANopen, EtherNet / IP, Modbus RTU (optional) and Profinet
- Intelligent thermal management
- Protections with failure and alarm warnings
- Normal duty and heavy duty ratings to adapt optimally to all kinds of load
- IP20 enclosure
- IP21 (NEMA1) and IP54 (option)



CFW11

CFW700

- Power rating: 1.5 to 150HP (0.75 to 132kW)
- Power Supply: 200-240V and 380-480V
- LCD Display with backlight and soft-keys
- Plug and Play accessories
- Memory card (Optional)
- Encoder Interface built-in (Incremental type required)
- RS-485 port available through terminals (MODBUS ready)
- Communication modules Profibus DP-01 and CANopen
- Soft PLC function allows for ladder programming development
- Smart motor and drive thermal management
- Normal and Heavy Duty ratings (ND/HD)
- DC choke built-in (no requirement for minimum power supply impedance)



CFW700

Certification



Soft-Starters

WEG soft-starters, microprocessor controlled and fully digital, have been designed to provide high performance in starting and stopping electric motors. The keypad offers a friendly interface for parameter adjustment making the operation much easier.

SSW05

- Power rating: 0.75 to 75 HP (0.55 to 55kW)
- Power supply: 220...575V and 575...690V
- Built-in by-pass
- DSP control
- Remote keypad (optional)
- Built-in motor protections
- PID regulator
- DSP control
- Ambient Temperature up to 55°C (131°F)



SSW06

- Power rating: 30 to 2650 HP (22 to 1950kW)
- Power supply: 220...575V and 575...690V
- Built-in by-pass
- Removable HMI with LED and LCD display
- Kick-Start function for loads with high inertia
- Pump control for intelligent pumping system control
- Full digital / 32 bits RISC microcontroller
- Electronic motor protection
- Ambient temperature up to 55°C (131°F)



SSW07 and SSW08

- Power ratings: 6 to 450 HP (4.5 to 315kW)
- Voltage: 220...575V
- Built-in Bypass
- Built-in EMC filter
- SSW07 applied for Heavy load starts
- SSW08 applied for Light and moderate load starts
- Three-phase controlled
- Integral motor and starter protections
- Programmable KICK-START function to start high break-away torque loads
- Remote HMI
- Very compact product
- It is able to operate in 55°C without derating



Certification

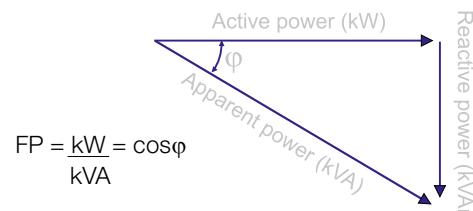


Power Factor Correction



In a three-phase network, three measurements summarize the electrical installation, in a simplified way:

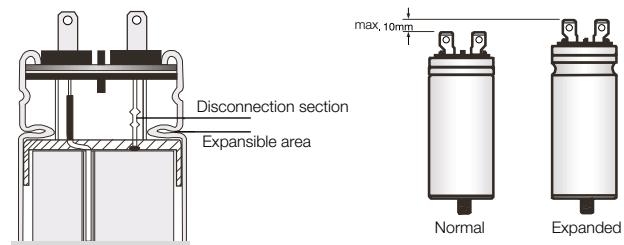
- Active power: kW (generates work)
- Reactive power: kVAr (creates a magnetic field)
- Apparent power: kVA (total power consumed)



The more kvar that circulates through the network and transformer/generator, the greater the consumed kVA value and the lower the power factor.

WEG Capacitors for Power Factor Correction

- Self-healing metalized polypropylene film
- Internal over pressure security device
- Maximum allowed fault current of 10kA
- Dielectric losses smaller than 0.4W/kVAr
- Internal discharge resistors in three-phase units, modules and banks
- Designed in accordance with standards IEC 60831-1/2 and UL810



Power Factor Correction



UCW

(Single-phase Capacitors)

- Rated power up to 6.67 kVAr in 380/440/480Vac
- Capacitive units for mounting of capacitors banks

Contactors for Capacitor Switching

- Available for the switching of capacitors up to 50kVAr/400/415V
- Same accessories used with CWM contactors line
- Integrated pre-charge resistors with early-make contacts block

MCW

(Three-phase capacitors module)

- Rated power up to 15 kVAr in 380/440/480Vac
- Up to 60 kVAr with 4 modules in parallel
- Single-phase capacitors UCW connected in delta
- Equipped with discharge resistors (30s, 1/10Un)



BCW and BCWP

(Three-phase capacitors bank)

- Rated power up to 75 kVAr in 380/440/480Vac
- Three-phase capacitors bank BCW composed by capacitive cells assembled in metallic enclosure with degree of protection IP32 and used for power factor correction of duty loads.
- Equipped with discharge resistors (30s, 1/10 Un) and terminal blocks for power source.
- BCW-P is composed basically by capacitors UCW, CWM contactors for switching capacitive loads, electronic timer relay RTW-RE to avoid resetting of capacitors on load and moulded case circuit breaker or fuse delay for short circuit protection.

UCWT

(Three-phase capacitive unit)

- Ideal for local/individual motor correction:
- 0.5 a 15 kVAr at 220Vac
- 0.5 a 25 kVAr at 380/440/480Vac
- Internally built-in discharge resistors
- Protection cover for connections
- Fast-on and Philips type terminals

AC Film Capacitors Motor Run and Lighting Applications

- CMRW line for motor run applications(IEC 60252-1)
- CILW and CLAW for lighting applications (IEC 61048)
- High confiability
- Self-Healing properties
- Low dissipation factor
- Reduced sized



Automation Systems



Servo drives SCA05

- Rated current: 4, 8, 24 and 30A
- Torque / speed / positioning mode
- Encoder simulator: 1 to 4096 pulses per revolution
- Speed Analog Reference (14 bits)
- Built-in CANopen, Modbus and Devicenet networks
- Profibus DP (optional)
- High performance RISC 32 bit microcontroller
- Built-in RS 232 Serial Communication or optional RS 485
- Automatic cycle with 10 positioning programmed via parameter
- Optional remote interface

Servomotors

- Torque: 1.6 up to 50 Nm
- IP 65 protection degree
- Brushless
- Resolver feedback
- Low inertia
- Low maintenance
- Low level of noise and vibration

Softwares for product specifications

SDW – special tool to help on WEG softstarters specifications main features and advantages:

- SDW uses the WEG motors data bank to help the filling of the forms
- SDW has the basic characteristics of the main applications (curve, datas, etc)
- SDW allows the specification of softstarters considering several starting conditions and presenting the results with softstarter model and parameter list to its start up

Certification



Automation Systems

Pushbuttons
and Pilot Lights



Capacitors for Power
Factor Correction



Contactors and
Overload Relays



Motor
Protective
Circuit Breaker



Timers and Electronic
Monitoring Relays



DOL Starters



Low Voltage VFDs
from 0.18 to 1100 kW



Soft-Starters from 0.5 to
1950 kW



AC Servomotors and
Servodrives 1.6 to 50 Nm



Modular Drive
from 315 to 2500 kW



LV Distribution Panels



MV Frequency Drives
from 400 up to 3312 kW



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