Contactors and Overload Relays
- Complete line (7 to 800A / AC-3)
- Quick mounting on DIN rail 35mm
- 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 7 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
- AC3 operation up to 25A
- Mini-contactor CWC07 to CWC016 AC and DC coil with the same dimensions
- Allows operation under the AC-4 duty
- Low-consumption DC coil

Easy Connection
- Star-delta wiring kits up to 45kW at 230/240V and 90kW at 400/415V
- Reversing wiring kits up to 22kW at 230/240V and 37kW at 400/415V
**Timers and Electronic Monitoring Relays**
- RTW timers up to 30 minutes with 9 temporization functions
- RPW electronic monitoring relays for functions: phase loss, phase sequence, phase loss and sequence, under voltage 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

**DOL Starters**
- Three-phase and single-phase starters in thermoplastic enclosure
Motor Protective Circuit-Breaker MPW
- Compact solution for electric circuit protection, motor starting/protection up to 45kW at 400/415V
- Adjustable thermal tripping for motor overload protection with a phase failure-sensitivity, according to IEC 60947-4-1, with tripping class 10
- Magnetic tripping (protection against short-circuit) fixed at 12xIn
- High short-circuit breaking capacity

Terminals Screw Type – BTWP Line
- Complete line from 2.5 to 240mm²
- Cable inputs in the shape of a cone to facilitate insertion

Terminals Spring Type – BTWM Line
- 2.5 to 10mm² line
- Stainless steel spring
- Uniform contact pressure

Air Circuit-Breakers ABW
Switching and protection for electrical circuits
- Complete solution for high power circuits protection
- Rated currents up to 5000A
- 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/F (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)

**CFW09**
- Power rating: 1.5 to 1500HP (1.1 to 250kW)
- Power supply: 200...240V, 380...480V and 500...600/690V
- V/Hz (Scalar), sensorless vector or closed loop vector control
- Optimal braking
- 32 Bits RISC microprocessor
- 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)
- IP 20 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.

**CFW10**
- Power rating: 0.25 to 5HP (0.18 to 2.2kW)
- Power supply: 110...127V and 200...240V
- Rated output voltage: 200...240V
- Single phase power supply
- Sinusoidal PWM modulation - Space Vector Modulation
- Latest generation IGBT modules and electronic circuits with SMD components
- DSP control
- Compact dimensions, simplified installation and operation
- Speed adjustment via potentiometer is available

**CFW11**
- Power rating: 1 to 60HP (0.75 to 45kW)
- Power supply: 200-240V and 380-480V
- Human-machine interface (HMI) with backlight, graphic display and soft-keys, easy use
- 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)
- Intelligent thermal management
- Protections with failure and alarm warnings
- Normal duty and heavy duty ratings to adapt optimally to all kinds of load
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 55 kW)
- Power supply: 220 to 575 V
- Built-in by-pass
- DSP control
- Remote keypad (optional)
- Built-in motor protections
- PID regulator
- DSP control
- Ambient Temperature up to 55 C (131º F)

**SSW06**
- Power rating: 30 to 2650 HP (22 to 1950 kW)
- Power supply: 220 to 575 V
- 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
- Eletronic motor protection
- Ambient temperature up to 55 C (131º F)

**SSW07**
- Power ratings: 6 to 200 HP
- Voltage: 220...575V
- Built-in Bypass
- Built-in EMC filter
- High starting duty cycle
- 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 55ºC without derating
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 0.4 W/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 60 kVar in 380/440/480Vac
- 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-Realing 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
- Proflbus 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 thechnick 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
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 3.312 kW

www.weg.net
ARGENTINA
WEG EQUIPAMENTOS ELÉTRICOS S.A.
(Headquarters San Francisco de Sa, Bos. Pampiglione 4849
Parque Industrial San Francisco 2400 - San Francisco
Phone(s): +54 (3564) 421484
Fax: +54 (3564) 421459
wegpee@weg.com.ar
www.weg.com.ar

AUSTRALIA
WEG AUSTRALIA PTY. LTD.
3 Dalmore Drive
Carnibbean Park Industrial Estate
Scoresby VIC 3179 - Melbourne
Phone(s): +61 (3) 9765 4600
Fax: +61 (3) 9753 2088
www.weg.com.au

BELGIUM
WEG EUROPE S.A.
Rue de l’Industrie 30 D
1400 Nivelles
WEG EUROPE S.A.
BELGIUM
www.wegindia.com
weg-india@weg.net
Fax: +91-80-2336 7624
Phone(s): +91-80-4128 2007
WEG INDIA PVT. LTD.
INDIA
www.wegchina.com
fang@weg.com.cn
Fax: 86 513 8592 1310
Phone(s): 86 513 8598 9329
Jiangsu Province, China PC226010
Technological Development Area
No. 128 - Xinkai Nan Road,
MOTOR MANUFACTURING Co., Ltd.
WEG (NANTONG) ELECTRIC
CHINA
www.wegchile.cl
wegchile@weg.net
Fax: (56-2) 784 8950
Phone(s): (56-2) 784 8900
La Reina - Santiago
Los Canteros 8600
WEG CHILE S.A.
CHILE
www.wegfrance.fr
services@wegfrance.fr
Fax: +33 (0) 4 74 99 11 44
Phone(s): +33 (0) 4 74 99 11 44
WEG FRANCE SAS
Zi de Chenes – Le Loup
13 Rue du Morello – BP 738
38297 Saint Quentin Fallavier
Phone(s): +33 (0) 4 74 99 11 55
Fax: +33 (0) 4 74 99 11 44
services@wegfrance.fr
www.wegfrance.com
GERMANY
WEG GERMANY GmbH
Alfred-Nobel-Str. 7-9
D-50226 Frechen
Phone(s): +49 (2244) 9 5353-0
Fax: +49 (2244) 9 5353-10
info@weg-germany.de
weg-germany.com
www.wegfrance.com

INDIA
WEG Electric (India) Pvt. Ltd.
#38, Ground Floor, 1st Main Road, Lower Palace Orchards,
Bangalore – 560 003
Phone(s): +91-90-4128 2007
+91-80-4128 2006
Fax: +91-80-2336 7624
weg-india@weg.net
www.wegindia.com

ITALY
WEG ITALIA S.R.L.
Vle Briazza 20 - 20092 - Cinisello
Balsamo - Milano
Phone(s): (39) 02 6129-3535
Fax: (39) 02 6601-3738
info@wegitalia.com
wit.weg.com.br
JAPAN
WEG ELECTRIC MOTORS
JAPAN CO., LTD.
Matsumoto Bldg. 2F, 3-23-7
Kamata, Ohta-ku,
Matsumoto Bldg. 2F, 3-23-7
Tokyo, Japan 144-0052
Kamata, Ohta-ku,
WEG ELECTRIC MOTORS CORP.
USA
wve.weg.com.br
weg-wve@weg.com.ve
Fax: 58 (241) 838 9239
Phone(s): 58 (241) 838 9239
Valencia, Edo. Carabobo
ELIMECA, Zona Postal 2003,
79-101 Edf. ELIMECA Loc.
Parcela T-4-A Transversal 9 Urb.
VENEZUELA C.A.
WEG INDUSTRIAS
VENEZUELA
www.weg.com.sg
wegsales@wegelectric.com
Fax: 44 (01527) 596-748
Phone: 44 (01527) 591-133
wegsales@wegelectric.com
www.wegsungapore.com
www.weg.com.sg

NETHERLANDS
WEG NETHERLANDS
Sales Office of
WEG Europe S.A.
Keulenstraat 4E
7418 ET Deventer
Phone(s): +31 (0) 570-620550
Fax: +31 (0) 570-620560
@weg-netherlands.nl
www.weg-netherlands.nl

PORTUGAL
WEG EURO – INDÚSTRIA
ELETRÍCÁRIA, S.A.
Rua Eng. Frederico Ulrich
Apartado 8604
4476-908 - Maia
Phone(s): +351 229 477 705
Fax: +351 229 477 792
sales-wpt@weg.net
www.weg.net

RUSSIA
WEG RUSSIA
17, Pochainskaya Str.
Nizhny Novgorod
603001 - Russia
Phone(s): +7-831-2780424
Fax: +7-831-2780425

SPAIN
WEG IBERIA S.A.
Avenida de la Industria,25
28823 Coslada - Madrid
Phone(s): +34 916 533 008
Fax: +34 916 533 058
wegiberia@wegiberia.es
www.wegiberia.es

SINGAPORE
WEG SINGAPORE PTE LTD
159, Kampong Ampat,
#06-02A KA PLACE.
Singapore 368328.
WEG Electric (India) Pvt. Ltd.
INDIA
www.weg-wales.com
info@weg-germany.de
Fax: +49 (2234) 9 5353-10
Phone(s): +49 (2234) 9 5353-0
D-50226 Frechen
Alfred-Nobel-Str. 7-9
WEG GERMANY GmbH
GERMANY
www.wegfrance.com

SWEDEN
WEG SCANDINAVIA AB
Verkstadsgatan 9
434 22 Kungsbacka
Box 10196
434 22 Kungsbacka
WEG SCANDINAVIA AB
SWEDEN
www.weg.com.sg
wegsales@wegelectric.com
Fax: 44 (01527) 596-748
Phone: 44 (01527) 591-133
wegsales@wegelectric.com
www.wegsungapore.com
www.weg.com.sg

UK
WEG ELECTRIC
MOTORS (U.K.) LTD.
28/29 Walkers Road
Manorside Industrial Estate
North Moors Moat - Redditch
Worcestershire B98 9HE
Phone(s): 44 (01527) 596-748
Fax: 44 (01527) 591-133
wegsales@wegelectric.com
www.weg.com.ar
www.weg.com.ar

UNITED ARAB EMIRATES
WEG MIDDLE EAST FZE
JAFZA – JEBEL ALI FREE ZONE
Tower 18, 19th Floor,
Office LB181905
Dubai – United Arab Emirates
giovanik@weg.net
www.weg.com.ar
www.weg.com.ar

USA
WEG ELECTRIC
MOTORS CORP.
1327 Northbrook Parkway,
Suite 490
Suwanee 30024
WEG ELECTRIC MOTORS (U.K.) LTD.
UK
www.weg.com.ar
www.weg.com.ar

VENEZUELA
WEG INDUSTRIAS
VENEZUELA C.A.
Parcela T-4-A Transversal 9 Urb.
Industrial Carabobio Catastral
79-101 Edif. ELIMECA Loc.
ELIMECA, Zona Postal 2003,
Valencia, Edo. Carabobo
Phone(s): 58 (241) 838 9239
weg-wve@weg.com.ve
wve.weg.com.br
wve.weg.com.br

WEG Worldwide Operations