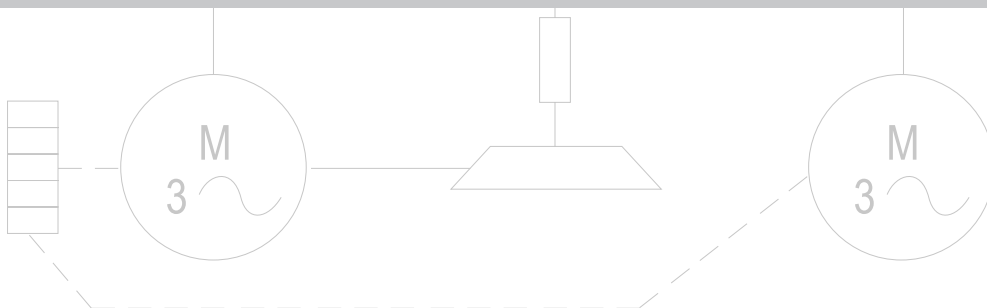
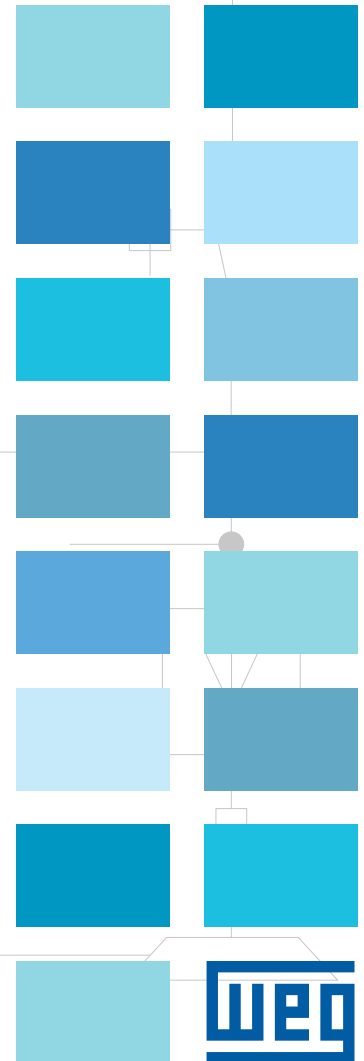
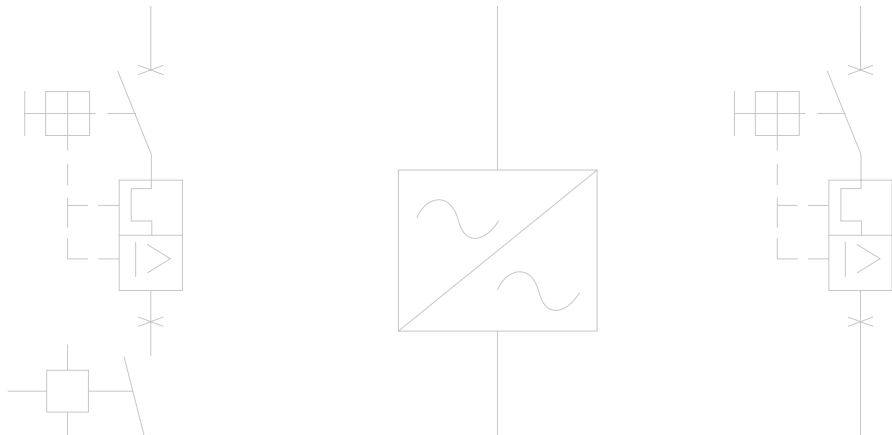


CWM_N

NEMA Rated Contactors



Controls

NEMA Rated Contactors

NEMA contactors have been a mainstay in the industrial marketplace in the US for decades. NEMA contactors were known for being robust & able to handle any industrial application.

WEG's NEMA rated contactors meet or exceed the standards defined by the National Electrical Manufacturers Association (NEMA), for full voltage or reduced voltage motor starting. (1)

- Available from size 00 to size 5
- Designed for Industrial Applications with Reliability in mind
- Enclosed NEMA Starters & Custom NEMA Starter panels, available on request
- Reduced inventory with common accessories
- Ease of choosing product
- Adjustable Overload Protection available (No heaters needed)



(1) NEMA Standards Publication ICS 2-2000 (R2005)

*Industrial Control and Systems Controllers,
Contactors and Overload Relays Rated 600 Volts*



Controls

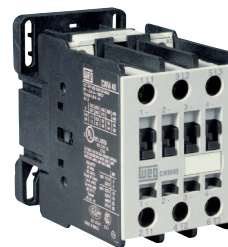
NEMA Rated Contactors

The WEG CWM_N series NEMA rated contactor line has been designed for industrial duty and with reliability in mind. Rated for inductive loads up to 300 Amps or 200 Hp @ 460V, WEG can offer the suitable contactor for your application.


Customers who are used to specifying contactors (and starters), by a particular NEMA Size (size 00, 0, 1, 2, 3, 4, 5), now can use the WEG CWM_N series, NEMA rated contactors. Customers get the ease of choosing the product, the reliability of WEG quality, and still get the sophisticated arc quenching techniques to reduce excess heat on the contacts.

Given their compact footprints, CWM_N contactors allow total panel space optimization, with only a few compact frame sizes from 5 to 200 Hp @ 460 V. Reducing inventory is a “snap” with CWM’s common accessories. For example, side mounted auxiliary contact blocks are the same from 5 to 200 Hp @ 460 V.

- Ease of choosing product
- Compact footprint
- Arc Quenching technique
- Reduced inventory with common accessories
- Adjustable thermal overload relay for motor protection
- Reliable WEG Quality




NEMA Size	NEMA Continuous Amp rating	WEG Continuous Amp rating	HP @ 230 V	HP @ 460 V
00	9	9	1.5	2
0	18	18	3	5
1	27	32	7.5	10
2	45	50	15	25
3	90	95	30	50
4	135	150	50	100
5	270	300	100	200



CWM9N

NEMA SIZE 00

U. (V)	200	230	460	575
HP 3PH	1,5	1,5	2	2



IND CONT EQ
81WA


SUITABLE FOR USE ON A CIRCUIT
CAPABLE OF DELIVERING NOT MORE THAN
5,000 RMS SYM. AMPS, 600 VOLTS MAX.

25A 600V - AC max. - 50/60Hz
Break all Lines
14-10 AWG
CU wire only - 60/75°C
Torque 15 lb.in

AUX CONT. A600 P600

IEC/EN 60947 VDE 0660 BS 5424
I_{th} = 25A - U_i = 1000V
Cont. Aux. I_{th} = 10A
Torque 1...1,7 N.m

U. (V)	220 230	380 415	440	460 500	630 690
AC3 (kW)	2,2	4	4,5	4,5	5,5
I, AC3 A	9	9	9	7,5	7



MADE IN BRAZIL - HECHO EN BRASIL

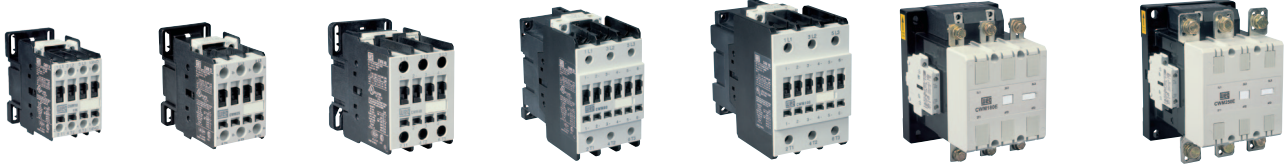


Controls

NEMA Rated Contactors

CWM_N Series

3 POLE NEMA CONTACTORS WITH AC COIL



NEMA Size	Maximum UL Horsepower						Auxiliary Contacts		Current Rating Amps	Catalog Number	List Price	Multiplier Symbol
	Single Phase		Three Phase				N.O.	N.C.				
	115V	230V	200V	230V	460V	575V						
00	1/3	1	1.5	1.5	2	2	1	0	9	CWM9N-10-30*	\$72	Z1
							0	1		CWM9N-01-30*		
0	1	2	3	3	5	5	1	0	18	CWM18N-10-30*	\$103	Z1
							0	1		CWM18N-01-30*		
1	2	3	7.5	7.5	10	10	0	0	32	CWM32N-00-30*	\$140	Z1
2	3	7.5	10	15	25	25	0	0	50	CWM50N-00-30*	\$190	Z1
3	7.5	15	25	30	50	50	0	0	95	CWM95N-00-30*	\$294	Z1
4	-	-	40	50	100	100	2	2	150	CWM150N-22-30#	\$945	Z1
5	-	-	75	100	200	200	2	2	300	CWM300N-22-30#	\$1,890	Z1

* AC COIL VOLTAGE CODE SELECTION						
FOR CONTACTORS CWM9N...CWM95N						
60 Hz	24V	120V	208-240V	480V	600V	
CODE	V04	V18	V24	V47	V56	
50 Hz	-	110V	-	400-415V	500V	

# AC / DC COIL VOLTAGE CODE SELECTION				
# FOR CONTACTORS: CWM150N, CWM300N				
Voltage	24-28 Vac/Vdc	110-130 Vac/Vdc	208-250 Vac/Vdc	430-500 VAC/VDC
CODE	E02	E10	E13	E21

Note:



- 1) CWM_N Series - 9 to 95 A - AC COIL
- 2) CWM_N Series - 150 to 300 A - AC/DC Coil with Electronic Module




Controls

NEMA Rated Contactors

CWM_N Series - Accessories

Auxiliary Contacts Block							
Location/Description	Mounting on Contactors	Auxiliary Contacts		Catalog Number	List Price	Multiplier Symbol	
		N.O.	N.C.				
	CWM9N...95N	1	0	BCXMF10	\$10	Z1	
		0	1	BCXMF01	\$10	Z1	
		1	0	BCXMFA10	\$13	Z1	
		0	1	BCXMF01	\$13	Z1	
	CWM9N...CWM300N	1	1	BCXML11	\$22	Z1	
		2	0	BCXML20	\$22	Z1	
			1	BCXMRL11	\$22	Z1	
		2	0	BCXMRL20	\$22	Z1	

Maximum # of added auxiliary contacts per contactor frame size: Note that side mountable version has 2 aux. contacts per block.
CWM9N...25N = 4 aux. contacts; CWM32N...40N = 6 aux. contacts; CWM50N...300N = 8 aux. contacts.

Mechanical Interlock Block						
Location/Description	Mounting on Contactors	Auxiliary Contacts		Catalog Number	List Price	Multiplier Symbol
		N.O.	N.C.			
	CWM9N...95N	0	0	BLIM 9-105	\$29	Z1
		0	2	BLIM.02 9-105	\$40	Z1
	CWM150N...CWM300N	0	0	BLIM 112-300	\$63	Z1

For CWM9N...CWM95N the mechanical interlock can be used to interlock different frame sizes. For CWM150N...CWM300N, the mechanical interlock has to be used with contactors that have the same mechanical frame size.

Surge Suppressors						
Description	Mounting on Contactors	Voltage Range	Catalog Number	List Price	Multiplier Symbol	
Limits switching transients from contactor pick-up	CWM9N...32N	24...48V	BAMRC4 D53	\$20	Z1	
		50...127V	BAMRC5 D55	\$20	Z1	
		130...250V	BAMRC6 D63	\$20	Z1	
	CWM50N...95N	24...48V	BAMRC7 D53	\$20	Z1	
		50...127V	BAMRC8 D55	\$20	Z1	
		130...250V	BAMRC9 D63	\$20	Z1	
	CWM9N...95N	270 - 380V	BAMV D68	\$20	Z1	
		400 - 510V	BAMV D73	\$20	Z1	


CWM150N...300N with Electronic Module already have the surge suppressor built-in on the electronic module



Controls

NEMA Rated Contactors

CWM_N Series - Replacement Coil

	Description	Mounting on Contactors	Catalog Number	List Price	Multiplier Symbol
	Coil voltage code is required to complete part number	AC COIL			
		CWM9N...18N	BCA4-25*	\$28	Z1
		CWM32N	BCA4-40*	\$35	Z1
		CWM50N...95N	BCA-105*	\$44	Z1
		DC COIL			
		CWM9N...25N	BCC-25+	\$30	Z1
		CWM32N	BECC4-40+	\$40	Z1
		CWM50N...95N	BECC-105+	\$60	Z1
		AC/DC ELECTRONIC MODULE & COIL¹			
		CWM150N	BCE-150#	\$90	Z1
			ME-300#	\$215	Z1
		CWM300N	BCE-300#	\$146	Z1
ME-300#	\$215		Z1		

¹ Module & Coil must be purchased together for proper contactor operation

* AC COIL VOLTAGE CODE SELECTION FOR CONTACTORS CWM9N...CWM105							
60 Hz	24V	48V	120V	208-240V	277V	480V	600V
CODE	V04	V10	V18	V24	V37	V47	V56
50 Hz	-	42V	110V	-	230-240V	400-415V	500V

+ DC COIL VOLTAGE CODE SELECTION			+ DC COIL VOLTAGE CODE SELECTION		
FOR CONTACTORS CWM9N...CWM25N			FOR CONTACTORS CWM32N...CWM105N		
Voltage	24V	110V	Voltage	24-28V	110-130V
CODE	C03	C12	CODE	C34	C40

# AC/DC COIL VOLTAGE CODE SELECTION FOR CONTACTORS CWM150N, CWM300N				
Voltage	24-28Vac/Vdc	110-130Vac/Vdc	208-250Vac/Vdc	430-500Vac/Vdc
CODE	E02	E10	E13	E21



CONTROLS

Product Line Overview

- ❑ **Mini - Contactors:** up to 15 hp @ 460 v or 25 amps - (highest rating in industry)
- ❑ **IEC Contactors:** up to 600 hp @ 460v or 800 amps
- ❑ **NEMA Contactors:** size 00 to size 5
- ❑ **Thermal Overload Relays:** class 10, phase loss current unbalance sensitivity
- ❑ **Manual Motor Protectors:** motor circuit protection up to 100A, manual disconnect, short-circuit, motor control and overload protection incorporated
- ❑ **Smart Relay:** low voltage motor management system
- ❑ **Pushbuttons & Pilot Lights:** 22 mm & 30 mm available - (LED pilot lights one of brightest in industry)
- ❑ **Timing & Motor Protection Relays:** (8) timing functions, phase loss, phase sequence, over & under voltage, motor temperature
- ❑ **Enclosed Starters:** combination & non-combination, metal & non-metal housings, NEMA 7/9 Explosion Proof
- ❑ **Terminal Blocks:** screw terminal & spring connection available
- ❑ **Molded Case Circuit Breakers:** up to 800Amps, thermal & magnetic adjusted, 35kA & 65kA SCCR
- ❑ **Power Factor Correction:** single phase capacitors up to 10 kVAR, three phase capacitors up to 25 kVAR, Enclosed three phase capacitor banks with or without fuse protection up to 75 kVAR, contactors for switching capacitors





WEG Electric Corp. offers the following products, and more! With a full range of IEC/NEMA Global Certifications and a full line of products, WEG can supply the right solution for your needs anywhere in the world. To learn more about WEG's products and solutions or to locate a Distributor near you, please call **1-800-ASK-4WEG** or visit **www.weg.net**.

**Low Voltage Motors,
Single and 3-Phase, 1/8 – 700HP**

- General Purpose Motors
- Explosion Proof Motors
- Crusher Duty Motors
- IEC Tru-Metric Motors
- Pump Motors including JP/JM
- P-Base Pump Motors
- Oil Well Pumping Motors
- Pool & Spa Motors
- Brake Motors
- Compressor Duty Motors
- Farm Duty Motors
- Poultry Fan Motors
- Auger Drive Motors
- IEEE 841 Motors
- Stainless Steel Wash Down Motors
- Saw Arbor Motors
- Cooling Tower Motors
- Commercial HVAC Motors
- Pad Mounted Motors
- Vector Duty Motors

Large Electric Motors

- Low Voltage 3-phase motors up to 2,500HP
- Motors up to 70,000HP and 13,200V
- Wound Rotor Systems (including starters) up to 70,000HP and 13,200V
- Synchronous Motors up to 70,000HP and 13,200V
- Explosion proof motors (Ex-d) up to 1,500kW and 11kV
- Ex-n, Ex-e, Ex-p motors

Variable Frequency Drives

- Low Voltage 1/4 to 2500HP, 230V – 480V
- Medium Voltage 500-8000HP
- Multi-pump systems
- NEMA 4X
- Dynamic braking resistors
- Line and load reactors
- Plug and play technology
- Network communications: Profibus-DP, DeviceNet, Modbus-RTU
- PLC functions integrated
- Complete line of options and accessories

Soft Starters

- 3-1500HP
- Oriented start-up
- Built-in bypass contactor
- Universal source voltage (230-575V, 50/60Hz)
- Network communications: Profibus-DP, DeviceNet, Modbus-RTU
- Complete Line of options and accessories
- MV Soft-starter 3.3kV, 4.16kV: up to 3500HP, Withdrawable Power Stacks, & 8x PT100 Temperature monitoring

Controls

- Mini – Contactors
- IEC Contactors
- Thermal Overload Relays
- Manual Motor Protectors
- Molded Case Circuit Breakers
- Smart Relays
- Enclosed Starters: combination & non-combination,
- Pushbuttons & Pilot Lights
- Timing & Motor Protection Relays
- Terminal Blocks

Custom Panels

- Custom configured to your specification.
- NEMA 1, 12, 3R, 4 and 4X cabinets
- Quick delivery of preconfigured drives and soft starters
- UL 508 certified
- Low Voltage (230-460)

Generators

- Brushless Synchronous Generators for diesel gensets up to 4,200kVA
- Hydro-generators up to 25,000kVA
- Turbo-generators up to 62,500kVA

Power Transformers

- Built and engineered in North America
- Voltages < 500kV
- Ratings 5-300MVA
- Station class, oil filled, round core, copper windings
- Special configurations and designs available!
- Ask your WEG Sales Representative for details.
- Designed, built, and engineered to ANSI standards.

Custom Solution Package Sales

- WEG can package any of its products for ease of sale! Enjoy a single point of contact for the entire package of products and assistance from quote through after-sales support. Ask your WEG Sales Representative for details.



WEG ELECTRIC CORP.
6655 Sugarloaf Parkway
Duluth, GA 30097
Phone: 1-800-ASK-4WEG
Fax: 1-770-338-1632
info-us@weg.net
www.weg.net/us

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