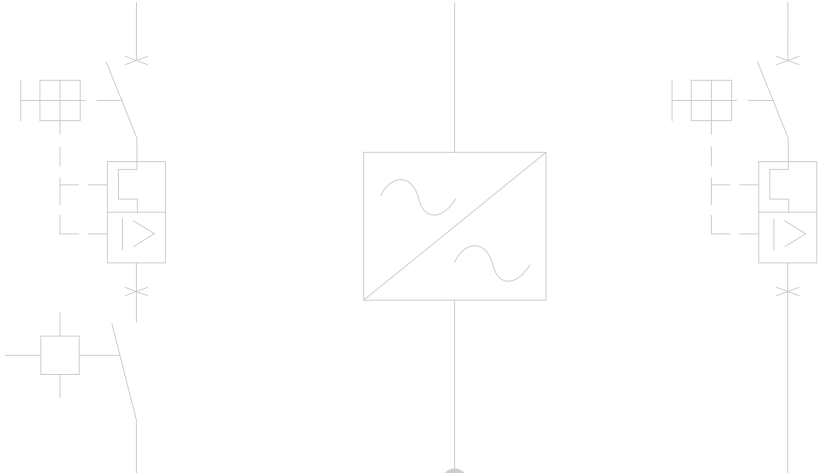


CWM_N

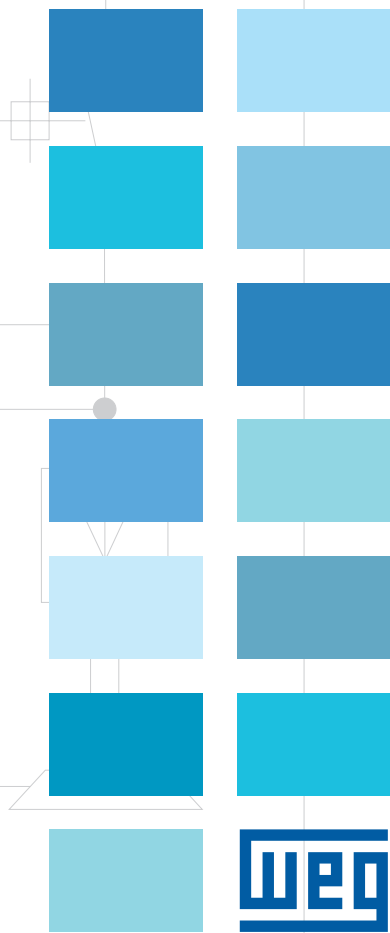
NEMA Rated Contactors



A schematic diagram showing a three-phase AC circuit. It includes a three-phase power source (represented by a square with a diagonal line and a sine wave), a three-phase contactor (represented by a square with a diagonal line and a sine wave), and a three-phase load (represented by a square with a diagonal line and a sine wave). The contactor is shown in a closed position, with the load connected to the power source.



A photograph of a CWM95N contactor. The contactor is a black, rectangular device with a white front panel. The front panel features six main terminals labeled 1 L1, 3 L2, 5 L3, 2 T1, 4 T2, and 6 T3. There are also six auxiliary terminals labeled 1-, 2-, 3-, 4-, 5-, and 6-. The contactor is shown from a three-quarter perspective, highlighting its compact design and mounting flanges.



A diagram showing a terminal block with 12 terminals arranged in two columns of six. The terminals are color-coded in shades of blue. The diagram illustrates the wiring connections for the contactor, showing how the main and auxiliary terminals are connected to the power source and load.



The Weg logo, consisting of the word "Weg" in a stylized, bold, blue font.

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 starting¹⁾.

Notes: 1) NEMA Standards Publication ICS 2-2000 (R2005).

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



- 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)



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 @ 460 V, 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 @ 415 V	HP @ 460 V
00	9	9	1.5	1.5	2
0	18	18	3	5	5
1	27	32	7.5	10	10
2	45	50	15	25	25
3	90	95	30	50	50
4	135	150	50	75	100
5	270	300	100	750	200


CWM9N
NEMA SIZE 00

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


US LISTED
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 60947
I_n = 25A - U_e = 1000V
Cont. Aux. I_n = 10A
Torque 1...1,5 N.m

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

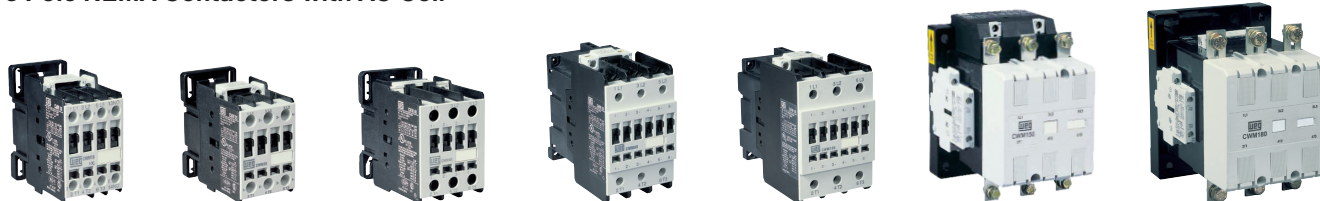


MADE IN BRAZIL - HECHO EN BRASIL

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
	Single phase		Three phase							
	115 V	230 V	200 V	230 V	460 V	575 V	N.O.	N.C.		
00	1/3	1	1.5	1.5	2	2	1	0	9	CWM9N-10-30*
							0	1		CWM9N-01-30*
0	1	2	3	3	5	5	1	0	18	CWM18N-10-30*
							0	1		CWM18N-01-30*
1	2	3	7.5	7.5	10	10	0	0	32	CWM32N-00-30*
2	3	7.5	10	15	25	25	0	0	50	CWM50N-00-30*
3	7.5	15	25	30	50	50	0	0	95	CWM95N-00-30*
4	-	-	40	50	100	100	2	2	150	CWM150N-22-30#
5	-	-	75	100	200	200	2	2	300	CWM300N-22-30#

* AC Coil Voltage Code Selection

For contactors: CWM9N...CWM95N					
60 Hz	24 V	120 V	208-240 V	480 V	600 V
Code	V04	V18	V24	V47	V56
50 Hz	-	110 V	-	400-415 V	500 V

AC / DC Coil Voltage Code Selection

For contactors: CWM150N, CWM300N				
Voltage	24-28 V ac / V dc	110-130 V ac / V dc	208-250 V ac / V dc	430-500 V ac / V dc
Code	E02	E10	E13	E21

Notes: CWM_N series - 9 to 95 A - AC coil.

CWM_N series - 150 to 300 A - AC/DC coil with electronic module.



NEMA Rated Contactors

CWM_N Series - Accessories

	Auxiliary contacts block				
	Location/description	Mounting on contactors	Auxiliary contacts		Catalog number
			N.O.	N.C.	
	Front mounting	CWM9N...95N	1	0	BCXMF10
	Front mounting		0	1	BCXMF01
	Front mounting, early make		1	0	BCXMFA10
	Front mounting, late break		0	1	BCXMFR01
	Side mounting	CWM9N...CWM300N	1	1	BCXML11
	Side mounting		2	0	BCXML20
	Side mounting, second block		-	1	BCXMRL11
	Side mounting, second block		2	0	BCXMRL20

Notes: 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
			N.O.	N.C.	
	Side mounted between two contactors	CWM9N...95N	0	0	BLIM 9-105
			0	2	BLIM.02 9-105
		CWM150N...CWM300N	0	0	BLIM 112-300

Note: 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
	CWM9N...32N	24...48 V	BAMRC4 D53
		50...127 V	BAMRC5 D55
		130...250 V	BAMRC6 D63
	CWM50N...95N	24...48 V	BAMRC7 D53
		50...127 V	BAMRC8 D55
		130...250 V	BAMRC9 D63
	CWM9N...95N	270 - 380 V	BAMV D68
		400 - 510 V	BAMV D73

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

NEMA Rated Contactors

CWM_N Series - Replacement Coil

	Description	Mounting on contactors	Catalog number
		AC coil	
	Coil voltage code is required to complete part number	CWM9N...18N	BCA4-25*
		CWM32N	BCA4-40*
		CWM50N...95N	BCA-105*
		DC coil	
		CWM9N...25N	BCC-25+
		CWM32N	BECC4-40+
		CWM50N...95N	BECC-105+
		AC/DC electronic module & coil ¹⁾	
		CWM150N	BCE-150#
			ME-300#
		CWM300N	BCE-300#
			ME-300#

Note: 1) Module & coil must be purchased together for proper contactor operation.

* AC Coil Voltage Code Selection for Contactors CWM9N...CWMN105

60 Hz	24 V	48 V	120 V	208-240 V	277 V	480 V	600 V
Code	V04	V10	V18	V24	V37	V47	V56
50 Hz	-	42 V	110 V	-	230-240 V	400-415 V	500 V

+ DC Coil Voltage Code Selection

For contactors: CWM9N...CWM95N		
Voltage	24 V	110 V
Code	C03	C12

+ DC Coil Voltage Code Selection

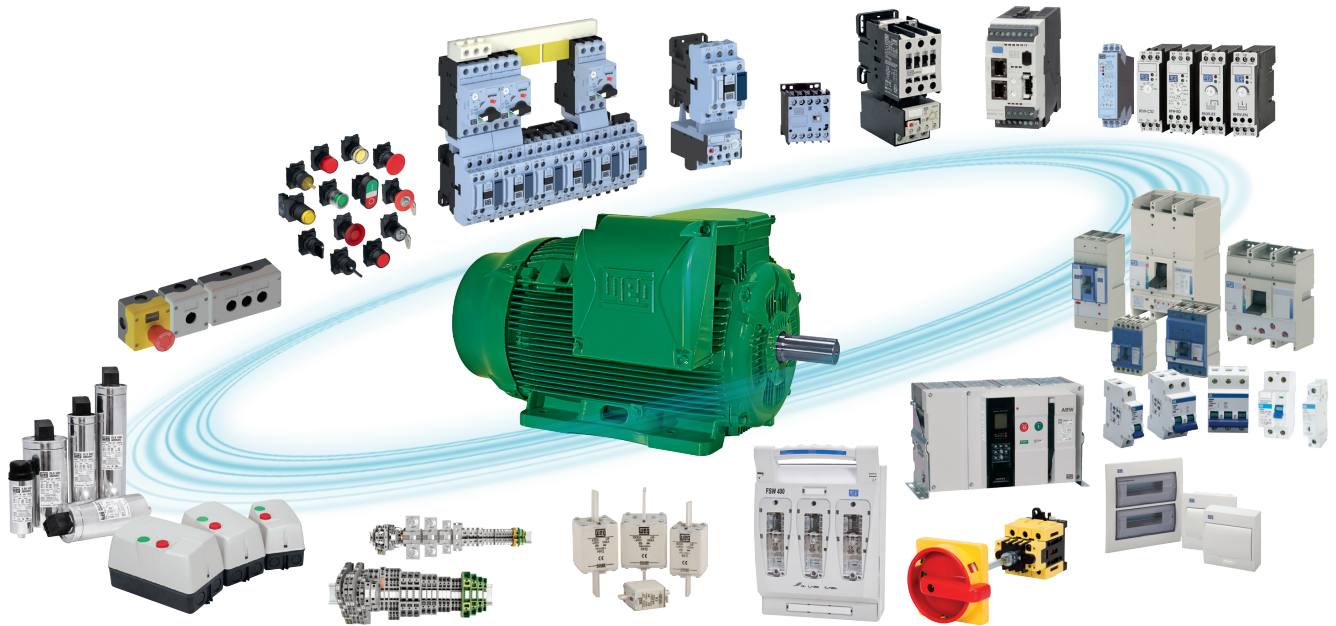
For contactors: CWM32N...CWM105N		
Voltage	24-28 V	110-130 V
Code	C34	C40

AC/DC Coil Voltage Code Selection for Contactors CWM150N, CWM300N

Voltage	24-28 V ac / V dc	110-130 V ac / V dc	208-250 V ac / V dc	430-500 V ac / V dc
Code	E02	E10	E13	E21



The Global Solution with Electric Machines and Automation for Industry and Energy Systems



Motor Protection and Starters

- Modular contactors up to 800 A (AC-3)
- Compact contactors up to 22 A (AC-3)
- Control relays
- Motor protective circuit breakers up to 100 A
- Enclosed starters (plastic or metallic enclosures)
- Customized starters for OEM applications
- Overload relays

Electrical Circuit Protection

- Miniature circuit breakers up to 125 A
- Molded case circuit breakers up to 1,600 A (3P and 4P)
- Air circuit breakers up to 6,300 A
- D gL-gG fuses up to 63 A
- NH gL-gG fuses up to 630 A
- NH aR fuses up to 1,000 A
- Switch-disconnectors for door or base mounting up to 160 A
- Residual current circuit-breaker up to 100 A (30 or 300 mA)
- Surge suppressors

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- IP66 pushbuttons and pilot lights
- Flush, guarded, extended or mushroom illuminated or non illuminated pushbuttons
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- Emergency pushbuttons (according EN 418)
- Contact blocks with “positive break” system
- Double pushbutton
- Pilot lights with LED technology
- Customized descriptions
- Decentralized control stations - PBW

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- Terminal blocks with screw type connection
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- Printing system

Smart Relay

- Low voltage electric motor management system
- Compact and modular concept
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- USB communication
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ARGENTINA

WEG EQUIPAMIENTOS
ELECTRICOS
San Francisco - Cordoba
Phone: +54 3564 421 484
info-ar@weg.net
www.weg.net/ar

WEG PINTURAS - Pulverlux
Buenos Aires
Phone: +54 11 4299 8000
tintas@weg.net

AUSTRALIA

WEG AUSTRALIA
Victoria
Phone: +61 3 9765 4600
info-au@weg.net
www.weg.net/au

AUSTRIA

WATT DRIVE - WEG Group
Markt Piesting - Vienna
Phone: +43 2633 404 0
watt@wattdrive.com
www.wattdrive.com

BELGIUM

WEG BENELUX
Nivelles - Belgium
Phone: +32 67 88 84 20
info-be@weg.net
www.weg.net/be

BRAZIL

WEG EQUIPAMENTOS ELÉTRICOS
Jaraguá do Sul - Santa Catarina
Phone: +55 47 3276-4002
info-br@weg.net
www.weg.net/br

CHILE

WEG CHILE
Santiago
Phone: +56 2 784 8900
info-cl@weg.net
www.weg.net/cl

CHINA

WEG NANTONG
Nantong - Jiangsu
Phone: +86 0513 8598 9333
info-cn@weg.net
www.weg.net/cn

COLOMBIA

WEG COLOMBIA
Bogotá
Phone: +57 1 416 0166
info-co@weg.net
www.weg.net/co

ECUADOR

WEG ECUADOR
Quito
Phone: 5144 339/342/317
wegecuador@weg.net
www.weg.net/ec

FRANCE

WEG FRANCE
Saint Quentin Fallavier - Lyon
Phone: +33 4 74 99 11 35
info-fr@weg.net
www.weg.net/fr

GERMANY

WEG GERMANY
Kerpen - North Rhine Westphalia
Phone: +49 2237 9291 0
info-de@weg.net
www.weg.net/de

GHANA

ZEST ELECTRIC GHANA
WEG Group
Accra
Phone: +233 30 27 664 90
info@zestghana.com.gh
www.zestghana.com.gh

INDIA

WEG ELECTRIC INDIA
Bangalore - Karnataka
Phone: +91 80 4128 2007
info-in@weg.net
www.weg.net/in

WEG INDUSTRIES INDIA

Hosur - Tamil Nadu
Phone: +91 4344 301 577
info-in@weg.net
www.weg.net/in

ITALY

WEG ITALIA
Cinisello Balsamo - Milano
Phone: +39 02 6129 3535
info-it@weg.net
www.weg.net/it

JAPAN

WEG ELECTRIC MOTORS
JAPAN
Yokohama City - Kanagawa
Phone: +81 45 550 3030
info-jp@weg.net
www.weg.net/jp

MALAYSIA

WATT EURO-DRIVE - WEG Group
Shah Alam, Selangor
Phone: 603 78591626
info@wattdrive.com.my
www.wattdrive.com

MEXICO

WEG MEXICO
Huehuetoca
Phone: +52 55 5321 4231
info-mx@weg.net
www.weg.net/mx

VOLTRAN - WEG Group

Tizayuca - Hidalgo
Phone: +52 77 5350 9354
www.voltran.com.mx

NETHERLANDS

WEG NETHERLANDS
Oldenzaal - Overijssel
Phone: +31 541 571 080
info-nl@weg.net
www.weg.net/nl

PERU

WEG PERU
Lima
Phone: +51 1 209 7600
info-pe@weg.net
www.weg.net/pe

PORTUGAL

WEG EURO
Maia - Porto
Phone: +351 22 9477705
info-pt@weg.net
www.weg.net/pt

RUSSIA and CIS

WEG ELECTRIC CIS
Saint Petersburg
Phone: +7 812 363 2172
info-ru@weg.net
www.weg.net/ru

SOUTH AFRICA

ZEST ELECTRIC MOTORS
WEG Group
Johannesburg
Phone: +27 11 723 6000
info@zest.co.za
www.zest.co.za

SPAIN

WEG IBERIA
Madrid
Phone: +34 91 655 30 08
info-es@weg.net
www.weg.net/es

SINGAPORE

WEG SINGAPORE
Singapore
Phone: +65 68589081
info-sg@weg.net
www.weg.net/sg

SCANDINAVIA

WEG SCANDINAVIA
Kungsbacka - Sweden
Phone: +46 300 73 400
info-se@weg.net
www.weg.net/se

UK

WEG ELECTRIC MOTORS U.K.
Redditch - Worcestershire
Phone: +44 1527 513 800
info-uk@weg.net
www.weg.net/uk

UNITED ARAB EMIRATES

WEG MIDDLE EAST
Dubai
Phone: +971 4 813 0800
info-ae@weg.net
www.weg.net/ae

USA

WEG ELECTRIC
Duluth - Georgia
Phone: +1 678 249 2000
info-us@weg.net
www.weg.net/us

ELECTRIC MACHINERY

WEG Group
Minneapolis - Minnesota
Phone: +1 612 378 8000
www.electricmachinery.com

VENEZUELA

WEG INDUSTRIAS VENEZUELA
Valencia - Carabobo
Phone: +58 241 821 0582
info-ve@weg.net
www.weg.net/ve

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Grupo WEG - Automation Business Unit
Jaraguá do Sul - SC - Brazil
Phone: +55 47 3276 4000
automacao@weg.net
www.weg.net

