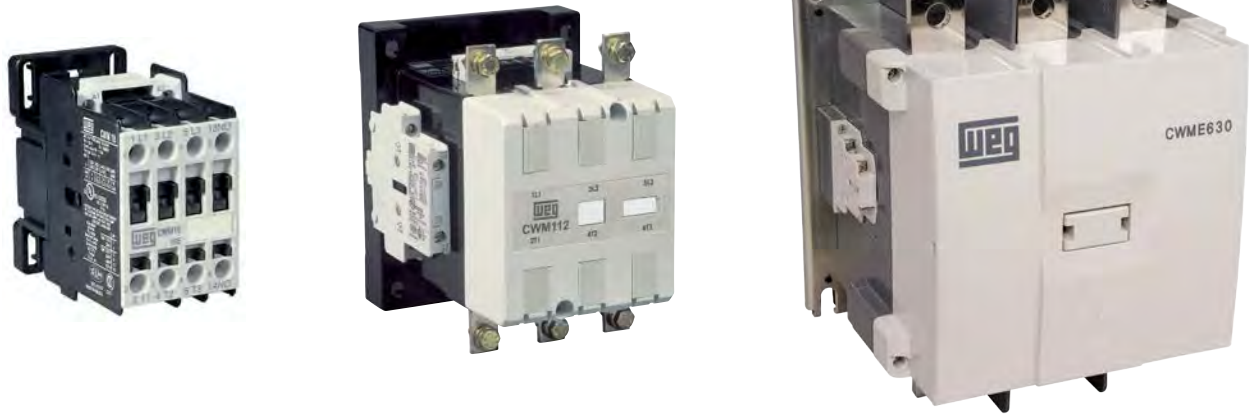


## Controls

### Standard IEC Contactors



#### Standard Features

- General purpose motor applications
- Fractional power through 600HP @ 460V
- Compact frame sizes
- Panel mountable or 35mm DIN rail up to 75HP @ 460V
- Built-in auxiliary contacts up to 10HP @ 460V
- Front and side mountable auxiliary contact blocks
- Finger-touch protection IP20
- Wide coil voltage selection AC or DC
- AC/DC coils with electronic modules available from 100HP and up
- Replaceable main contacts for entire line

#### Certifications

Conformity to Standards

- UL508
- CSA C22.2 No 14
- IEC60947-1; IEC60947-4-1

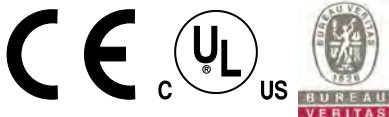
#### Applications

- Pumps
- Blowers
- Cranes
- Agitators
- Machine tools
- Pressing machines
- Cutting and sawing machines
- Material handling equipment
- Kneading and mixing machines
- By-pass / isolation
- Elevator

#### Approvals

- cULus Listed
- CE marked
- Bureau Veritas

## Certifications

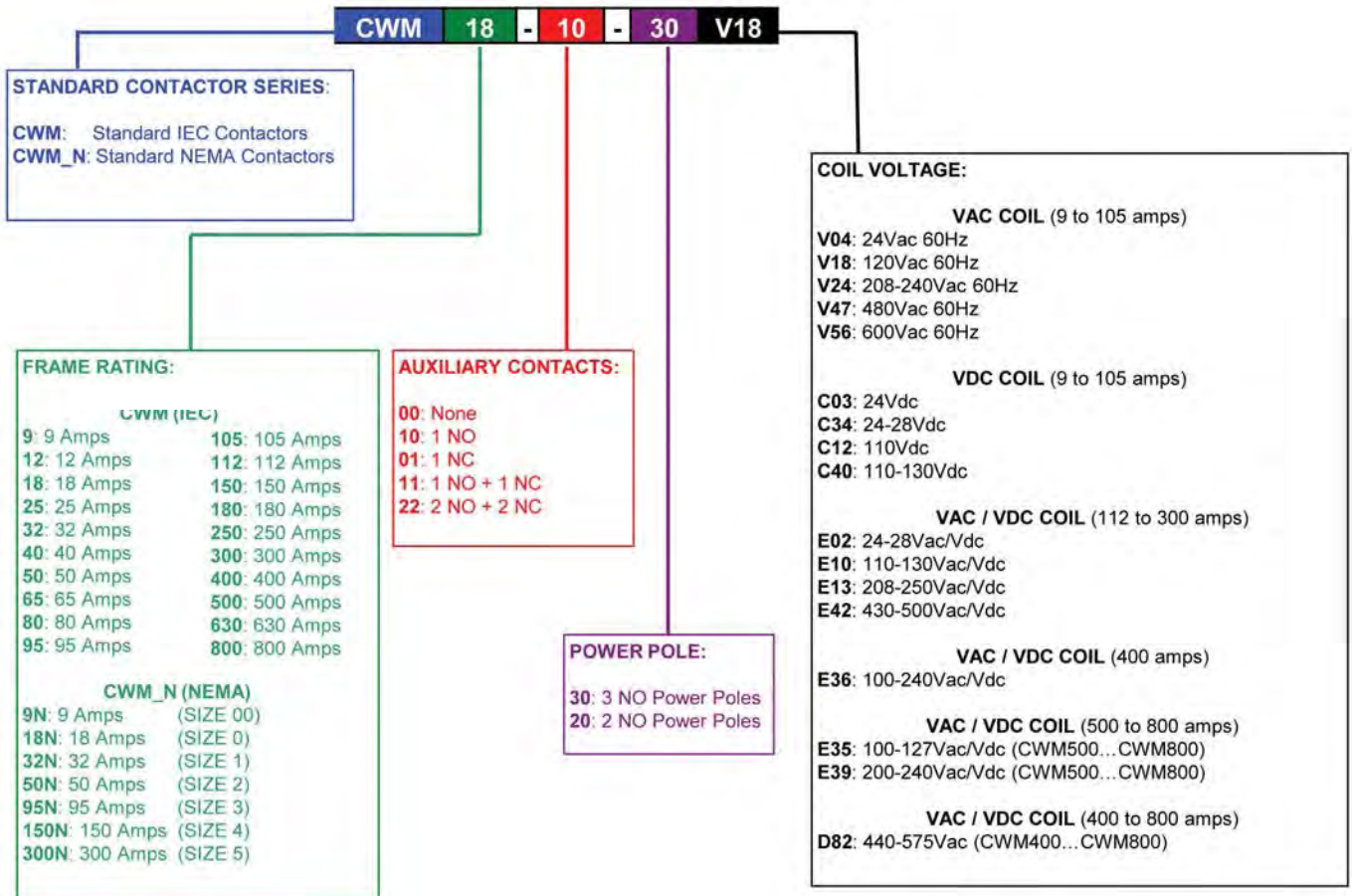




# Controls

## Standard IEC Contactors - CWM Series

### Catalog part number composition



# Controls

## IEC Contactors - CWM Series

### 3 pole contactors with AC coil



Maximum UL Horsepower						Auxiliary Contacts		Current Rating Amps	Catalog Number <sup>1</sup>	List Price	Multiplier Symbol
Single Phase		Three Phase				N.O.	N.C.				
115V	230V	200V	230V	460V	575V						
1/2	1 1/2	3	3	5	7 1/2	1	0	9	CWM9-10-30*	\$72	Z1
						0	1		CWM9-01-30*		
3/4	2	3	3	7 1/2	10	1	0	12	CWM12-10-30*	\$89	Z1
						0	1		CWM12-01-30*		
1	3	5	5	10	15	1	0	18	CWM18-10-30*	\$103	Z1
						0	1		CWM18-01-30*		
2	5	7 1/2	7 1/2	15	15	0	0	25	CWM25-00-30*	\$118	Z1
						1	1		CWM25-11-30*	\$138	Z1
3	5	10	10	20	25	0	0	32	CWM32-00-30*	\$140	Z1
						1	1		CWM32-11-30*	\$160	Z1
3	7 1/2	10	15	30	25	0	0	40	CWM40-00-30*	\$164	Z1
						1	1		CWM40-11-30*	\$184	Z1
3	10	15	15	40	40	0	0	50	CWM50-00-30*	\$190	Z1
						1	1		CWM50-11-30*	\$210	Z1
5	10	20	20	50	50	0	0	65	CWM65-00-30*	\$215	Z1
						1	1		CWM65-11-30*	\$235	Z1
7 1/2	15	20	25	50	60	0	0	80	CWM80-00-30*	\$261	Z1
						1	1		CWM80-11-30*	\$281	Z1
7 1/2	15	25	30	60	75	0	0	95	CWM95-00-30*	\$294	Z1
						1	1		CWM95-11-30*	\$314	Z1
10	20	30	40	75	75	0	0	105	CWM105-00-30*	\$393	Z1
						1	1		CWM105-11-30*	\$413	Z1

Note:

1) Stock available only for contactor version ...-10-30... and ...-00-30... -10 = 1 N.O. Auxilliary contact. -00 = No Auxilliary contact  
For ... -11-30... = 1 N.O. & 1 N.C. version or other auxilliary contact configurations please refer to page B-42.

To complete the selection

- Replace “\*” with desired coil voltage from Coil Voltage Code Table

* AC COIL VOLTAGE CODE SELECTION FOR CONTACTORS CWM9...CWM105							
60 Hz	24V <sup>1)</sup>	48V <sup>1)</sup>	120V	208-240V	277V <sup>1)</sup>	480V	600V <sup>1)</sup>
CODE	V04	V10	V18	V24	V37	V47	V56
50 Hz	-	42V	110V	-	230-240V	400-415V	500V

- Other coil voltages available upon request





# Controls

## IEC Contactors - CWM Series

### 3 pole contactors with DC coil



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						
1/2	1 1/2	3	3	5	7 1/2	1	0	9	CWM9-10-30+	\$93	Z1
						0	1		CWM9-01-30+		
3/4	2	3	3	7 1/2	10	1	0	12	CWM12-10-30+	\$111	Z1
						0	1		CWM12-01-30+		
1	3	5	5	10	15	1	0	18	CWM18-10-30+	\$125	Z1
						0	1		CWM18-01-30+		
2	5	7 1/2	7 1/2	15	15	0	0	25	CWM25-00-30+	\$141	Z1
3	5	10	10	20	25	0	0	32	CWM32-00-30+	\$180	Z1
3	7 1/2	10	15	30	25	0	0	40	CWM40-00-30+	\$230	Z1
3	10	15	15	40	40	0	0	50	CWM50-00-30+	\$255	Z1
5	10	20	20	50	50	0	0	65	CWM65-00-30+	\$280	Z1
7 1/2	15	20	25	50	60	0	0	80	CWM80-00-30+	\$335	Z1
7 1/2	15	25	30	60	75	0	0	95	CWM95-00-30+	\$360	Z1
10	20	30	40	75	75	0	0	105	CWM105-00-30+	\$470	Z1

To complete the selection

- Replace "+" with desired coil voltage from Coil Voltage Code Table
- For different auxiliary contact configuration please refer to page B-35

**+ DC COIL VOLTAGE CODE SELECTION FOR CONTACTORS CWM9...105**

FOR CONTACTORS CWM9...CWM25

Voltage	24V	110V
CODE	C03	C12

FOR CONTACTORS CWM32...CWM105

Voltage	24-28V	110-130V
CODE	C34	C40

Note: Other voltage available upon request.



# Controls

## IEC Contactors - CWM Series

3 pole contactors with AC/DC electronic module coil



Maximum UL Horsepower						Auxiliary Contacts		Current Rating Amps	Catalog Number	List Price	Multiplier Symbol
Single Phase		Three Phase									
115V	230V	200V	230V	460V	575V	N.O.	N.C.				
-	-	40	50	100	100	2	2	112	<a href="#">CWM112-22-30#</a>	\$765	Z1
-	-	50	60	125	150	2	2	150	<a href="#">CWM150-22-30#</a>	\$945	Z1
-	-	60	75	150	200	2	2	180	<a href="#">CWM180-22-30#</a>	\$1,260	Z1
-	-	75	100	200	250	2	2	250	<a href="#">CWM250-22-30#</a>	\$1,755	Z1
-	-	100	125	250	300	2	2	300	<a href="#">CWM300-22-30#</a>	\$1,890	Z1
-	-	125	150	300	300	2	2	400	<a href="#">CWM400-22-30^</a>	\$2,520	Z1
-	-	200	250	500	500	2	2	630	<a href="#">CWM630-22-30^</a>	\$3,870	Z1
-	-	200	300	600	600	2	2	800	<a href="#">CWM800-22-30^</a>	\$5,670	Z1

To complete the selection

- Replace “#” or “^” with desired coil voltage from Coil Voltage Code Table
- For different auxiliary contact configuration please refer to page B-35

### # AC/DC COIL VOLTAGE CODE SELECTION FOR CONTACTORS CWM112, 150, 180, 250, 300

Voltage	24-28Vac/Vdc	110-130Vac/Vdc	208-250Vac/Vdc	430-500Vac/Vdc
CODE	<a href="#">E02</a>	<a href="#">E10</a>	<a href="#">E13</a>	<a href="#">E21</a>
Mounting on	CWM112-CWM300	CWM112-CWM300	CWM112-CWM300	CWM112-CWM300

### ^ AC/DC COIL VOLTAGE CODE SELECTION FOR CONTACTORS CWM400...800

Voltage	100-240Vac/100-220Vdc	100-127Vac/100-110Vdc	200-240Vac/200-220Vdc	440-575Vac
CODE	<a href="#">E36</a>	<a href="#">E35</a>	<a href="#">E39</a>	<a href="#">D82</a>
Mounting on	CWM400	CWM630-CWM800	CWM630-CWM800	CWM400-CWM800

Note: Other voltage available upon request.

# Controls

## IEC Contactors - CWM Series

### 2 pole contactors with AC coil<sup>1</sup>

Maximum UL Horsepower Single Phase		Auxiliary Contacts		Current Rating Amps	Catalog Number	List Price	Multiplier Symbol
115V	230V	N.O.	N.C.				
1/2	1 1/2	0	0	9	<a href="#">CWM9-00-20*</a>	\$65	Z1
3/4	2	0	0	12	<a href="#">CWM12-00-20*</a>	\$68	Z1
1	3	0	0	18	<a href="#">CWM18-00-20*</a>	\$73	Z1
2	5	0	0	25	<a href="#">CWM25-00-20*</a>	\$99	Z1
3	5	0	0	32	<a href="#">CWM32-00-20*</a>	\$126	Z1
3	7 1/2	0	0	40	<a href="#">CWM40-00-20*</a>	\$160	Z1
3	10	0	0	50	<a href="#">CWM50-00-20*</a>	\$174	Z1
5	10	0	0	65	<a href="#">CWM65-00-20*</a>	\$200	Z1
7 1/2	15	0	0	80	<a href="#">CWM80-00-20*</a>	\$231	Z1
7 1/2	15	0	0	95	<a href="#">CWM95-00-20*</a>	\$273	Z1
10	20	0	0	105	<a href="#">CWM105-00-20*</a>	\$321	Z1

**Note<sup>1</sup>:** Availability upon request.

To complete the selection

- Replace “\*\*” with desired coil voltage from Coil Voltage Code Table
- For different auxiliary contact configuration please refer to page B-35

FOR CONTACTORS CWM9...CWM105

* AC COIL VOLTAGE CODE SELECTION			
60 Hz	24V	120V	208-240V
<b>CODE</b>	<b>V04</b>	<b>V18</b>	<b>V24</b>
50 Hz	-	110V	-



## 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

**WEG** **CWM9N**  
NEMA SIZE 00

U. (V)	200	230	460	575
HP 3PH	1.5	1.5	2	2

**UL** 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/EN 60947 VDE 0660 BS 5424  
I<sub>m</sub> = 25A - U<sub>i</sub> = 1000V  
Cont. Aux. I<sub>th</sub> = 10A  
Torque 1...1.7 N.m

U. (V)	220	380	440	460	630
	230	415		500	690
AC3 (kW)	2.2	4	4.5	4.5	5.5
I AC3 A	9	9	9	7.5	7

**CE**

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	\$72	Z1	
							0	1				
0	1	2	3	3	5	5	1	0	18	\$103	Z1	
							0	1				
1	2	3	7.5	7.5	10	10	0	0	32	\$140	Z1	
2	3	7.5	10	15	25	25	0	0	50	\$190	Z1	
3	7.5	15	25	30	50	50	0	0	95	\$294	Z1	
4	-	-	40	50	100	100	2	2	150	\$945	Z1	
5	-	-	75	100	200	200	2	2	300	\$1,890	Z1	

- For additional auxiliary contacts, see page B-42

#### \* 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