



# CWB Series Contactors

## Overview

Developed according to IEC 60947 and UL 508 international standards, the new WEG CWB line of contactors meets the requirements of a wide range of industrial applications. The CWBs are designed with the visual pattern and identity of WEG, a brand recognized worldwide for its quality.

## Features

- "Zero-width" mechanical interlock
- Simple and compact mounting of surge suppressor blocks
- Available with AC or DC coils
- Simple and organized control circuits
- Additional contact blocks
- Easy access power and control terminals



CWB9-11-30D15



CWB25-11-30D15



CWB80-11-30D15



UL File No. E202315



CWB9-11-30C03



CWB25-11-30C03



CWB80-11-30C03

## CWB Contactor Catalog Number Sequence



<b>CWB</b>	<b>12</b>	<b>-</b>	<b>11</b>	<b>-</b>	<b>30</b>	<b>D15</b>
<b>Contactor Series</b> CWB-IEC	<b>Current Rating (IEC)</b> 9: 9A 12: 12A 18: 18A 25: 25A 32: 32A 38: 38A 40: 40A 50: 50A 65: 65A 80: 80A		<b>Auxiliary Contacts</b> 11: 1NO+1NC		<b>Power Poles</b> 30: 3 NO Power Poles	<b>Voltage Code</b> AC Voltage: D15: 120V, V24: 208-240V, D39: 480V DC Voltage: C03: 24V

Table intended as reference only and not to create part numbers.





# CWB Series Contactors

## WEG CWB Series Three-Pole Contactors – AC Coil – Selection Guide

Part Number	Price	Coil Voltage (VAC)	<i>I<sub>e</sub></i> Max (U <sub>e</sub> ≤ 440V) AC-3 (A)	Maximum UL Horsepower						Built-In Auxiliary Contacts Per Contactor				Dimensional Drawing
				Single-Phase		Three-Phase				N.O.		N.C.		
				115V	230V	200V	230V	480V	575V					
CWB9-11-30D15		120	9	0.75	1.5	3	3	5	7.5	1	1		PDF	
CWB9-11-30V24		208-240												
CWB9-11-30D39		480												
CWB12-11-30D15		120	12	0.75	2	3	3	7.5	10	1	1		PDF	
CWB12-11-30V24		208-240												
CWB12-11-30D39		480												
CWB18-11-30D15		120	18	1	3	5	5	10	15	1	1		PDF	
CWB18-11-30V24		208-240												
CWB18-11-30D39		480												
CWB25-11-30D15		120	25	2	5	7.5	7.5	15	15	1	1		PDF	
CWB25-11-30V24		208-240												
CWB25-11-30D39		480												
CWB32-11-30D15		120	32	3	5	10	10	20	25	1	1		PDF	
CWB32-11-30V24		208-240												
CWB32-11-30D39		480												
CWB38-11-30D15		120	38	3	7.5	10	10	25	25	1	1		PDF	
CWB38-11-30V24		208-240												
CWB38-11-30D39		480												
CWB40-11-30D15		120	40	3	7.5	10	15	30	30	1	1		PDF	
CWB40-11-30V24		208-240												
CWB40-11-30D39		480												
CWB50-11-30D15		120	50	3	10	15	15	40	40	1	1		PDF	
CWB50-11-30V24		208-240												
CWB50-11-30D39		480												
CWB65-11-30D15		120	65	5	10	20	20	50	50	1	1		PDF	
CWB65-11-30V24		208-240												
CWB65-11-30D39		480												
CWB80-11-30D15		120	80	7.5	15	20	25	50	60	1	1		PDF	
CWB80-11-30V24		208-240												
CWB80-11-30D39		480												

## WEG CWB Series Three-Pole Contactors – DC Coil – Selection Guide

Part Number	Price	Coil Voltage (VDC)	<i>I<sub>e</sub></i> Max (U <sub>e</sub> ≤ 440V) AC-3 (A)	Maximum UL Horsepower						Built-In Auxiliary Contacts Per Contactor				Dimensional Drawing
				Single-Phase		Three-Phase				N.O.		N.C.		
				115V	230V	200V	230V	480V	575V					
CWB9-11-30C03		24	9	0.75	1.5	3	3	5	7.5	1	1		PDF	
CWB12-11-30C03			12	0.75	2	3	3	7.5	10	1	1		PDF	
CWB18-11-30C03			18	1	3	5	5	10	15	1	1		PDF	
CWB25-11-30C03			25	2	5	7.5	7.5	15	15	1	1		PDF	
CWB32-11-30C03			32	3	5	10	10	20	25	1	1		PDF	
CWB38-11-30C03			38	3	7.5	10	10	25	25	1	1		PDF	
CWB40-11-30C03			40	3	7.5	10	15	30	30	1	1		PDF	
CWB50-11-30C03			50	3	10	15	15	40	40	1	1		PDF	
CWB65-11-30C03			65	5	10	20	20	50	50	1	1		PDF	
CWB80-11-30C03			80	7.5	15	20	25	50	60	1	1		PDF	



# CWB Series Contactors Accessories



**BFB-11**



**BLB-11**



**BFB-20**



**BFB-22**



**BFB-40**



**BFB-04**

## WEG CWB Series Contactors Accessories – Front Mounted Auxiliary Contact Blocks Selection Guide

Part Number	Price	For Use With	Max. number of additional contacts/contactor	Auxiliary contacts		Weight g [oz]	Dimensional Drawing
				NO	NC		
BFB-11		CWB9 through CWB80	4	1	1	63 [2.22]	PDF
BFB-20				2	0	63 [2.22]	PDF
BFB-22				2	2	63 [2.22]	PDF
BFB-40				4	0	63 [2.22]	PDF
BFB-04				0	4	63 [2.22]	PDF

NOTES: The maximum number of auxiliary contacts assembled on the contactor is 4.

## WEG CWB Series Contactors Accessories – Side Mounted Auxiliary Contact Blocks Selection Guide

Part Number	Price	For Use With	Max. Number of Additional Contacts/Contactor	Auxiliary Contacts		Weight g [oz]	Dimensional Drawing
				NO	NC		
BLB-11		CWB9 through CWB80	4	1	1	34 [1.20]	PDF

NOTE: The maximum number of auxiliary contacts assembled on the contactor is 4.

## WEG CWB Series Contactors Accessories – Plug-In Surge Suppressors Selection Guide

Part Number	Price	For Use With	Voltage	Diagram	Weight g [oz]	Dimensional Drawing
VRB-E34		CWB9 through CWB80	50-127 VAC 50/60 Hz 60-180 VDC		8 [0.28]	PDF
VRB-E50			130-250 VAC 50/60 Hz 180-300 VDC		8 [0.28]	PDF
VRB-D73			400-510 VAC 50/60 Hz		8 [0.28]	PDF
DIB-C33			12-600 VDC		8 [0.28]	PDF



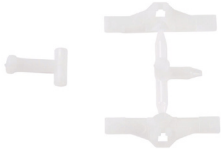
**DIB-C33**



**VRB-E34**



# CWB Series Contactors Accessories and Spare Parts



IM1

## WEG CWB Series Contactors Accessories – Mechanical Interlock Selection Guide

Part Number	Price	For Use With	Description	Dimensional Drawing
IM1		CWB9 through CWB38	Mounting set for interlocking two contactors with the same frame type. Fitting through snaps without tools.	PDF
IM2		CWB40 through CWB80		PDF



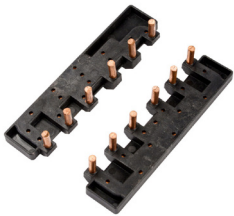
IM2

## WEG CWB Series Contactors Accessories Easy-Connection Reversing Bar Connection Kit for Reversing Starters – Selection Guide

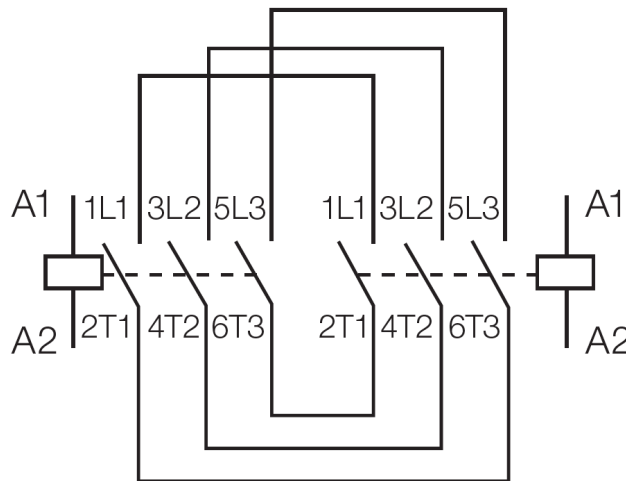
Part Number	Price	For Use With	Hp Values Declared on Direct and Reversing Starters Per UL 60947-4-1, Test Cycles. Three-Phase Voltage (V)		Weight g [oz]	Dimensional Drawing	
			K1=K2	220-240 V (hp)			440-480 V (hp)
EC-R1		CWB9		3	5	2.83 [0.10]	PDF
		CWB12		3	7.5		PDF
		CWB18		5	10		PDF
		CWB25		7.5	15		PDF
		CWB32		10	20		PDF
		CWB38		10	25		PDF
EC-R2		CWB40		15	30	7.09 [0.25]	PDF
		CWB50		15	40		PDF
		CWB65		20	50		PDF
		CWB80		25	50		PDF



EC-R1



EC-R2



Electric Diagram



# CWB Series Contactors

Terminal Markings According to IEC/EN 60947				
Diagram	Configuration	Auxiliary Contacts		Reference Code
		NO	NC	
<b>3-Pole Contactors With Built-In Auxiliary Contacts</b>				
	11	1	1	CWB9-11-30 CWB12-11-30 CWB18-11-30 CWB25-11-30 CWB32-11-30 CWB38-11-30 CWB40-11-30 CWB50-11-30 CWB65-11-30 CWB80-11-30
<b>Front Mounted Auxiliary Contact Blocks</b>				
	20	2	0	BFB-20
	11	1	1	BFB-11
	40	4	0	BFB-40
	22	2	2	BFB-22
	04	0	4	BFB-04
<b>Side Mounted Auxiliary Contact Block</b>				
	11	1	1	BLB-11



# CWB Series Contactors

## WEG CWB Series Contactors Specifications – General Specifications

		CWB9	CWB12	CWB18	CWB25	CWB32	CWB38	CWB40	CWB50	CWB65	CWB80
<b>Compliance</b>		IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1, UL 508									
<b>Rated Insulation Voltage U</b> (Pollution Degree 3)	<b>IEC/EN 60947-4-1</b>	690V						1000V			
	<b>UL, CSA</b>	600V									
<b>Rated Impulse-Withstand Voltage U<sub>imp</sub></b>	<b>IEC/EN 60947-1</b>	6kV									
<b>Frequency Limits</b>		25-400 Hz									
<b>Mechanical Lifespan</b>	<b>AC Coil (million cycles)</b>	10						6			
	<b>DC Coil (million cycles)</b>	10						6			
<b>Electrical Lifespan</b>	<b>I<sub>e</sub> AC-3 (million cycles)</b>	2.0	2.0	1.8	1.6	1.6	1.2	1.6	1.6	1.6	1.2
<b>Degree of protection</b> (IEC/EN 60529)	<b>Main Terminals</b>	IP10 (front)									
	<b>Coil and Auxiliary Contacts</b>	IP20 (front)									
<b>Mounting</b>		With screws or DIN 35mm rail (EN 50022)									
<b>Coil Connection Points</b>	<b>Contactors With AC Coil</b>	2									
	<b>Contactors With DC Coil</b>	2									
<b>Vibration resistance</b> (IEC/EN 60068-2-6)	<b>Open Contactor</b>	4g									
	<b>Closed Contactor</b>	4g									
<b>Resistance to mechanical shocks</b> (½ sine wave=11ms - IEC/EN 60068-2-27)	<b>Open Contactor</b>	10g									
	<b>Closed Contactor</b>	15g									
<b>Ambient Temperature</b>	<b>Operating</b>	-25°C to +55°C [-13°F to +131°F]									
	<b>Storage</b>	-55°C to +80°C [-67°F to +176°F]									
<b>Maximum Operation Altitude Without Modification of Rated Values<sup>1</sup></b>		3000m [9843ft]									

<sup>1</sup> For altitudes of 3000-4000 m [9843-13123 ft] (0.90 x I<sub>e</sub> and 0.80 x U<sub>i</sub>) and 4000-5000 m [13123-16404 ft] (0.80 x I<sub>e</sub> and 0.75 x U<sub>i</sub>).

## WEG CWB Series Contactors Specifications – Control Circuit (AC)

		CWB9	CWB12	CWB18	CWB25	CWB32	CWB38	CWB40	CWB50	CWB65	CWB80
<b>Compliance</b>		IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1, UL 508									
<b>Rated Insulation Voltage U</b> (Pollution Degree 3)	<b>IEC/EN 60947-4-1</b>	690V						1000V			
	<b>UL, CSA</b>	600V						600V			
<b>Standard Voltages at 50/60 Hz</b>		12 to 600 V						24 to 600 V			
<b>Coil Operating Limits</b>		0.8 to 1.1 μs						0.8 to 1.1 μs			
<b>Coil 50/60 Hz</b>	<b>Pick Up</b>	0.5 to 0.8 μs						0.5 to 0.8 μs			
	<b>Drop Out</b>	0.2 to 0.6 μs						0.2 to 0.6 μs			
<b>Average Consumption</b> (50Hz/60Hz)	<b>Magnetic Circuit Closed</b>	9 / 7.5 VA						27 / 17.2 VA			
	<b>Power Factor Switching On (cos φ)</b>	0.8 / 0.7						0.56 / 0.55			
	<b>Power Factor Switched On (cos φ)</b>	0.24 / 0.27						0.25 / 0.28			
	<b>Thermal Power Dissipation</b>	5-7 / 5-7 W						3.7-6.3 / 3.7-6.3 W			
	<b>Closing the Magnetic Circuit</b>	90 / 75 VA						202 / 185 VA			
<b>Operation Average Time of NO Contacts (Closing/Opening)</b>		15 to 25 ms / 8 to 12 ms						10 to 15 ms / 8 to 12 ms			

## WEG CWB Series Contactors Specifications – Control Circuit (DC)

		CWB9	CWB12	CWB18	CWB25	CWB32	CWB38	CWB40	CWB50	CWB65	CWB80
<b>Compliance</b>		IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1, UL 508									
<b>Rated Insulation Voltage U</b> (Pollution Degree 3)	<b>IEC/EN 60947-4-1</b>	690V						1000V			
	<b>UL, CSA</b>	600V						600V			
<b>Standard Voltages</b>		12 to 500 V						12 to 500 V			
<b>Coil Operating Limits</b>		0.8 to 1.1 μs						0.8 to 1.1 μs			
	<b>Pick Up</b>	0.5 to 0.8 μs						0.5 to 0.8 μs			
	<b>Drop Out</b>	0.1 to 0.4 μs						0.1 to 0.4 μs			
<b>Average Consumption (50Hz/60Hz)</b>		1.0x use the coil cold						1.0x use the coil cold			
	<b>Magnetic Circuit Closed</b>	5.8 W						14.5 W			
	<b>Closing the Magnetic Circuit</b>	5.8 W						105W			
<b>Operation Average Time of NO Contacts (Closing/Opening)</b>		35 to 45 ms / 8 to 12 ms						20 to 30 ms / 4 to 8 ms			
<b>Thermal Power Dissipation</b>		5 to 7 W						12 to 16 W			



# CWB Series Contactors

## WEG CWB Series Contactors Specifications – Main Contacts

			CWB9	CWB12	CWB18	CWB25	CWB32	CWB38	CWB40	CWB50	CWB65	CWB80	
Rated operational current $I_e$	AC-3 ( $U_e \leq 440$ V)	A	9	12	18	25	32	38	40	50	65	80	
	AC-4 ( $U_e \leq 440$ V)	A	4.4	5.8	8.5	10.4	13.7	13.7	18.5	18.5	26	32	
	AC-1 $\theta \leq 55^\circ\text{C}$ , $U_e \leq 690$ V)	A	25	25	32	40	50	50	60	90	110	110	
Rated operational voltage $U_e$	IEC/EN 60947-4-1	V	690V						1000V				
	UL, CSA	V	600V										
Conventional thermal current $I_{th}$ ( $\theta \leq 55^\circ\text{C}$ )		A	25	25	32	40	50	50	60	90	110	110	
Making capacity – IEC/EN 60947		A	250	250	300	450	550	550	550	1000	1000	1000	
Breaking capacity – IEC/EN 60947	$U_e \leq 400$ V)	A	250	250	300	450	550	550	550	1000	1000	1000	
	$U_e = 500$ V)	A	220	220	250	350	450	450	480	880	880	880	
	$U_e = 690$ V)	A	150	150	180	250	350	350	350	640	640	640	
Acceptable short-time current (no current flowing during recovery time of 15min and $\theta \leq 40^\circ\text{C}$ )	1s	A	210	210	240	380	400	430	720	820	900	900	
	10s	A	105	105	145	240	260	310	320	400	520	640	
	1min	A	60	60	80	120	130	150	165	230	340	360	
	10min	A	30	30	40	50	60	60	85	110	130	130	
Short circuit protection of the main contacts Fuse (RK5)	@600 V - UL/CSA	kA	5										
	Coordination type 1	A	25	40	50	63	63	63	80	100	125	160	
	Coordination type 2	A	20	20	25	35	50	50	63	80	100	125	
Impedance per pole		m $\Omega$	2.5	2.5	2.5	2	2	2	1.6	1.6	1.6	1.6	
Average power dissipation per pole	AC-1	W	1.5	1.5	2.5	3.2	5	5	6	13	19	19	
	AC-3	W	0.2	0.4	0.8	1.2	2	3	3	4	7	10	
<b>Utilization category AC-3</b>													
Rated operational current $I_e$ ( $\theta \leq 55^\circ\text{C}$ )	$U_e \leq 440$ V	A	9	12	18	25	32	38	40	50	65	80	
	$U_e \leq 500$ V	A	9	12	15.8	23	28.5	28.5	35	45	55	75	
	$U_e \leq 690$ V	A	7	9	12.8	16.5	21	21	32	35	40	50	
Orientative rated operational power Three-phase induction motors (50/60 Hz) IV poles - 1,800 rpm	220/240 V	kW	2.2	3	4.5	6.5	7.5	9.2	11	15	18.5	22	
		hp	3	4	6	8.7	10	12.5	15	20	25	29	
	380/400 V	kW	4	5.5	7.5	12.5	15	18.5	18.5	22	30	37	
		hp	5.5	7.5	10	16.8	20	25	25	29	40	50	
	415/440 V	kW	4.5	6.5	9.2	12.5	15	18.5	22	30	37	45	
		hp	6	8.7	12.5	16.8	20	25	29	40	50	60	
	500V	kW	5.5	7.5	10	15	18.5	18.5	22	30	37	55	
		hp	7.5	10	13.4	20	25	25	29	40	50	74	
	660/690 V	kW	5.5	7.5	11	15	18.5	18.5	30	33	37	45	
		hp	7.5	10	15	20	25	25	40	44	50	60	
	Maximum percentage	600 ops/h	%	100	100	100	100	100	100	100	100	100	100
	<b>Utilization category AC-4</b>												
Rated operational current $I_e$	( $U_e \leq 440$ V)	A	4.4	5.8	8.5	10.4	13.7	13.7	18.5	18.5	26	32	
	( $U_e \leq 500$ V)	A	3.9	5.1	7.5	12	13.9	13.9	17.5	23.5	28.5	33	
	( $U_e \leq 690$ V)	A	2.8	3.7	5.4	12	12.8	12.8	14	18	22	26	
Orientative rated operational power Three-phase induction motors (50/60 Hz) IV poles - 1,800 rpm (200,000 operations)	220/240 V	kW	1.5	1.5	2.2	3	4	4	4.5	5.5	7.5	11	
		hp	2.0	2.0	2.9	4.0	5.4	5.4	6.0	7.4	10.1	14.7	
	380/400 V	kW	2.2	3.7	4	5.5	7.5	7.5	9.2	11	15	18.5	
		hp	2.9	5.0	5.4	7.4	10.1	10.1	12.3	14.7	20.1	24.8	
	415/440 V	kW	2.2	3	3.7	5.5	7.5	7.5	11	11	15	22	
		hp	2.9	4.0	5.0	7.4	10.1	10.1	14.7	14.7	20.1	29.5	
	500V	kW	2.2	3	5	7.5	9	9	11	15	18.5	22	
		hp	2.9	4.0	6.7	10.1	12.1	12.1	14.7	20.1	24.8	29.5	
	660/690 V	kW	2.2	3	5	10	11	11	12.5	15	20	25	
		hp	2.9	4.0	6.7	13.4	14.7	14.7	16.8	20.1	26.8	33.5	



# CWB Series Contactors

## WEG CWB Series Contactors Specifications – Main Contacts

		CWB9	CWB12	CWB18	CWB25	CWB32	CWB38	CWB40	CWB50	CWB65	CWB80		
<i>Utilization category AC-1 (3P NO)</i>													
<b>Conventional thermal current <math>I_{th}</math> (<math>\theta \leq 55^\circ\text{C}</math>)</b>		A	25	25	32	40	50	50	60	90	110	110	
<b>Maximum orientative operational current according to ambient temperature</b>		$\theta \leq 60^\circ\text{C } U_e \leq 690\text{V}$	A	25	25	32	40	50	50	60	90	110	110
<b>Max Operational Power <math>\theta \leq 55^\circ\text{C}</math> (Three-Phase Resistors)</b>		220/230 V	kW	9.5	9.5	12	15	19	19	22.5	34	42	42
		380/400 V	kW	16.5	16.5	21	26	33	33	39.5	59	72.5	72.5
		415/440 V	kW	19	19	24.5	30.5	38	38	45.5	68.5	84	84
		500V	kW	21.5	21.5	27.5	34.5	43	43	52	77	95	95
<b>Current Values for Connection</b>		2 poles in parallel		$I_e \times 1.7$									
		3 poles in parallel		$I_e \times 2.4$									
		4 poles in parallel		-									
<b>Percentage of maximum operational current</b>		600 ops/h	%	100	100	100	100	100	100	100	100	100	

## WEG CWB Series Contactors Specifications – Auxiliary Contacts

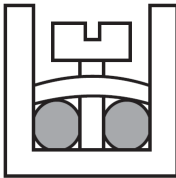
		CWB9	CWB12	CWB18	CWB25	CWB32	CWB38	CWB40	CWB50	CWB65	CWB80
<i>Utilization category AC-1 (3P NO)</i>											
<b>Compliance</b>		60947-5-1	IEC/EN								
<b>Rated Insulation Voltage <math>U_j</math> (Pollution Degree 3)</b>		IEC/EN 60947-4-1, VDE 0660	V	690							
		UL, CSA	V	600							
<b>Rated Operational Voltage <math>U_e</math></b>		IEC/EN 60947-4-1, VDE 0660	V	690							
		UL, CSA	V	600							
<b>Conventional Thermal Current <math>I_{th}</math> (<math>\theta \leq 55^\circ\text{C}</math>)</b>		A	10								
<b>Rated Operational Current <math>I_e</math></b>											
<b>AC-15 (IEC/EN 60947-5-1)</b>		220/230 V	A	10							
		380/400 V	A	4							
		500V	A	2.5							
		660/690 V	A	1.5							
<b>DC-13 (IEC/EN 60947-5-1)</b>		24V	A	4							
		48V	A	2							
		110V	A	0.7							
		220V	A	0.3							
		440V	A	0.15							
<b>Making Capacity</b>		$U_e \leq 690\text{V}$ 50/60 Hz – AC-15	A	10 x $I_e$							
<b>Breaking Capacity</b>		$U_e \leq 400\text{V}$ 50/60 Hz – AC-15	A	1 x $I_e$							
<b>Short Circuit Protection With Fuse (RK5)</b>		A	10								
<b>Control Circuit Reliability</b>		V/mA	17 / 5								
<b>Electrical Lifespan</b>		Million cycles	1								
<b>Mechanical Lifespan</b>		Million cycles	10								
<b>Non-Overlapping Time Between NO and NC Contacts</b>		ms	1.5								
<b>Impedance of Contacts</b>		m $\Omega$	2.5								



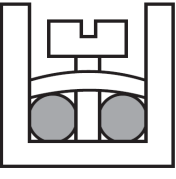


# CWB Series Contactors

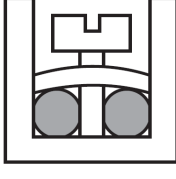
## WEG CWB Series Contactors Specifications – Terminal Capacity and Tightening Torque

			<i>Power Circuit</i>									
			<i>CWB9</i>	<i>CWB12</i>	<i>CWB18</i>	<i>CWB25</i>	<i>CWB32</i>	<i>CWB38</i>	<i>CWB40</i>	<i>CWB50</i>	<i>CWB65</i>	<i>CWB80</i>
<b>Mounting System Screw Type</b>			Phillips Number 2				Phillips Number 2			Allen (4mm)		
<b>Flexible Conductor Without Terminal</b>	<b>AWG</b>		1 x 16-10		1 x 16-10		1 x 14-3					
			2 x 16-10		2 x 16-10		2 x 14-3					
<b>Flexible Conductor With Terminal</b>	<b>AWG</b>		1 x 16-10		1 x 16-8		1 x 14-3					
			2 x 16-12		2 x 16-10		2 x 14-3					
<b>Solid Wire</b>	<b>AWG</b>		1 x 16-10		1 x 14-18		1 x 14-3					
			2 x 16-10		2 x 14-18		2 x 14-3					
<b>Tightening Torque</b>	<b>N•m [lb•ft]</b>		1.7 [1.25]		2.5 [1.84]			5.0 [3.69]				

## Control and Auxiliary Circuit – Terminal Capacity and Tightening Torque

			<i>CWB9</i>	<i>CWB12</i>	<i>CWB18</i>	<i>CWB25</i>	<i>CWB32</i>	<i>CWB38</i>	<i>CWB40</i>	<i>CWB50</i>	<i>CWB65</i>	<i>CWB80</i>
<b>Mounting System Screw Type</b>			Phillips Number 2						Phillips Number 2			
<b>Flexible Conductor Without Terminal</b>	<b>AWG</b>		1 x 16-12		1 x 16-12							
			2 x 16-12		2 x 16-12							
<b>Flexible Conductor With Terminal</b>	<b>AWG</b>		1 x 16-12		1 x 16-12							
			2 x 16-14		2 x 16-14							
<b>Solid Wire</b>	<b>AWG</b>		1 x 16-12		1 x 16-12							
			2 x 16-12		2 x 16-12							
<b>Tightening Torque</b>	<b>N•m [lb•ft]</b>		1.0 [0.74]						1.0 [0.74]			

## Auxiliary Contact Blocks – Terminal Capacity and Tightening Torque

			<i>BFB (Front)</i>				<i>BLB (Side)</i>					
<b>Mounting System Screw Type</b>			Phillips Number 2									
<b>Flexible Conductor Without Terminal</b>	<b>AWG</b>				1 x 16-14							
					2 x 16-14							
<b>Flexible Conductor With Terminal</b>	<b>AWG</b>				1 x 16-14							
					2 x 16-14							
<b>Solid Wire</b>	<b>AWG</b>				1 x 16-14							
					2 x 16-14							
<b>Tightening Torque</b>	<b>N•m [lb•ft]</b>		1.0 [0.74]									



# CWB Series Contactors

## Mounting Position (CWB9 through CWB80)

