

WEG CFW500 Compatible Accessories

Braking Resistors for WEG CFW500 AC Drives

Dynamic braking absorbs the motor regeneration energy when the motor is decelerated faster than it would if it was allowed to coast to a stop. The regeneration energy is dissipated by braking resistors. All drives have the braking function built-in and do not require a separate dynamic braking unit. The recommended open type or NEMA 1 type brake resistors available at AutomationDirect for each drive model are listed in the table below.

WEG CFW500 AC Drive Braking Component Selection															
Drive Voltage	WEG MAT#	Drive Model (CFW500xxxG2)	Drive Ratings				Drive Brake Capacity - Max Torque			125% Braking Torque @ 10% Duty Cycle*					
			IP**	Input Voltage Phases	Drive Rated Amps (A)	Motor Power (hp)	Resistor (Ω)	Max Current (A)	Peak Power (kW)	Open Type Braking Resistor			NEMA1 Resistors with Thermal Switch		
										Part #	Qty.	Total Brake Current (A)	Part #	Qty.	Total Brake Current (A)
230V	15570800	A01P6B2NB20		1/3	1.6	0.25	127	6	4.6	No Dynamic Braking (These Models)					
	15572819	A01P0T4NB20		3	1					No Dynamic Braking (These Models)					
	14990863	A01P6B2DB66DS	IP66D	1/3	1.6					1	1	6	4.6	GS-BR-400W150	1
	14989840	A01P6B2DB66	IP66			GS-BR-400W150	1	BR-N1-240W150	1						
	14991103	A02P6B2DB66DS	IP66D			GS-BR-400W150	1	BR-N1-240W150	1						
	14990985	A02P6B2DB66	IP66		2.6					GS-BR-400W150	1		BR-N1-240W150	1	
	15571879	A02P6B2NB20				0.5	No Dynamic Braking (These Models)								
	15572908	A01P6T4NB20		3	1.6	0.75	No Dynamic Braking (These Models)								
	14991753	A04P3B2DB66DS	IP66D	1/3	4.3	1	127	6	4.6	GS-BR-400W150	1	2.6	BR-N1-240W150	1	2.6
	14991517	A04P3B2DB66	IP66							GS-BR-400W150	1		BR-N1-240W150	1	
	15571881	A04P3B2NB20								No Dynamic Braking (These Models)					
	15574655	B07P3B2DB20	IP20							GS-BR-400W040	1		BR-N1-280W50	1	
	14938005	A07P3B2DB66DS	IP66D	1/3	7.3	2	39	10	3.9	GS-BR-400W040	1	9.8	BR-N1-280W50	1	7.8
	14937890	A07P3B2DB66	IP66							GS-BR-400W040	1		BR-N1-280W50	1	
	15572625	A07P0T2NB20								No Dynamic Braking (These Models)					
	15575067	B10P0B2DB20	IP20							GS-BR-400W040	1		BR-N1-280W50	1	
	14938047	A10P0B2DB66DS	IP66D	3	10	3	27	15	6.1	GS-BR-400W040	1	9.8	BR-N1-280W50	1	7.8
	14938041	A10P0B2DB66	IP66							GS-BR-400W040	1		BR-N1-280W50	1	
	15572689	A09P6T2NB20								No Dynamic Braking (These Models)					
	15575202	B16P0T2DB20	IP20							GS-BR-400W040	1		BR-N1-800W25	1	
	14938113	A16P0T2DB66DS	IP66D	3	16	5	20	20	8	GS-BR-400W040	1	9.8	BR-N1-800W25	1	15.6
	14938111	A16P0T2DB66	IP66							GS-BR-400W040	1		BR-N1-800W25	1	
	15575701	C24P0T2DB20	IP20							No Dynamic Braking (These Models)					
	14975838	B24P0T2DB66DS	IP66D	3	24	7.5	15	26	10.1	GS-BR-1K0W020	1	19.5	BR-N1-800W18P0	1	21.7
	14975783	B24P0T2DB66	IP66							GS-BR-1K0W020	1		BR-N1-800W18P0	1	
	15575716	D28P0T2DB20	IP20							No Dynamic Braking (These Models)					
	14938655	B28P0T2DB66DS	IP66D	3	28	10	10	38	14.4	GS-BR-1K5W013	1	30.0	BR-N1-1K5W14P0	1	27.9
	14938547	B28P0T2DB66	IP66							GS-BR-1K5W013	1		BR-N1-1K5W14P0	1	
	15576540	D47P0T2DB20	IP20							No Dynamic Braking (These Models)					
	15577077	E56P0T2DB20	IP20	3	47	15	8.6	45	17.4	GS-BR-1K5W3P3	1	59.1	BR-N1-2K2W08P6	1	45.3
15342437	F77P0T2DB20	IP20	2S								BR-N1-2K2W08P8		1		
15342760	F88P0T2DB20	IP20	2S								BR-N1-2K2W08P8		1		
15342909	F0105T2DB20	IP20		88	25	6	66.7	26.7	GS-BR-1K5W3P3	2S		BR-N1-3K6W06P8	1		
				105	30	3	133	53.1	GS-BR-1K5W3P3	2S		BR-N1-3K6W06P8	1	114.7	

Table continued on next page

* 10% Duty Cycle with maximum ON (braking) time for 10 seconds.

** IP66D stands for IP66 with disconnect.

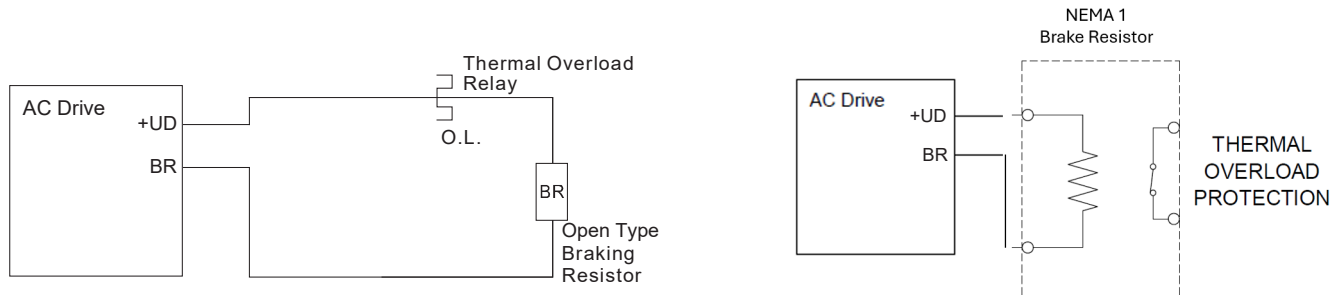
Note: Where noted in resistor quantity, S = series and P = parallel

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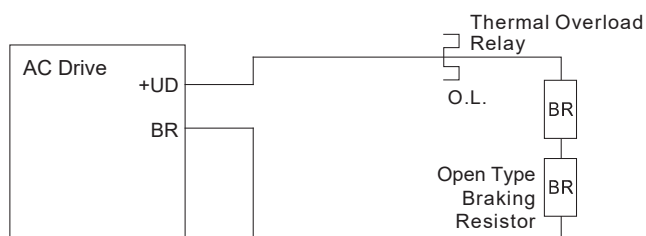
Brake Wiring

Use your drive's braking component selection table to determine the appropriate brake resistor model and configuration for your drive. Refer to the diagrams below for examples on how to wire each possible configuration.

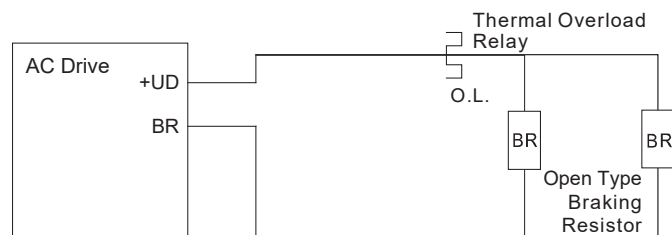
Drive + 1 Resistor or NEMA1 Resistor:



Drive + 2 Series Resistors:



Drive + 2 Parallel Resistors:



Drive + 2 Series and 2 Parallel Resistors:

