

GS20(X) Series Optional Accessories - Braking

GS20(X) Braking Resistors

Use the table below to find the appropriate braking resistor model for your GS20(X) series AC drive. For more information and installation instructions, please see the GS20 User Manual. All listed resistors are available for purchase at www.automationdirect.com.

GS20(X) AC Drive Braking Component Selection												
Drive Voltage	Drive Model	Motor Power (hp)	Drive Brake Capacity - Max Torque		125% Braking Torque @ 10% Duty Cycle*							
			Min Resistor Value (Ω)	Max Total Brake Current (A)	Open Type Braking Resistor				NEMA1 Resistors with Thermal Switch			
					Part #	Qty.	Brake Torque (kg·m)	Total Brake Current (A)	Part #	Qty.	Total Brake Current (A)	
120V	GS21-10P2	1/4	190.0	2	GS-BR-080W750	1	0.1	0.5	BR-N1-240W200	1	2.0	
	GS21-10P5	1/2	95.0	4	GS-BR-080W200	1	0.3	1.9	BR-N1-240W150	1	2.6	
	GS21-11P0	1	63.3	6		1	0.5			1		
230V	GS21-20P2	1/4	190.0	2	GS-BR-080W750	1	0.1	0.5	BR-N1-240W200	1	2.0	
	GS21-20P5	1/2	95.0	4	GS-BR-080W200	1	0.3	1.9	BR-N1-240W150	1	2.6	
	GS21-21P0	1	63.3	6		1	0.5			1		
	GS21-22P0	2	47.5	8	GS-BR-200W091	1	1	4.2	BR-N1-280W50	1	7.8	
	GS21-23P0	3	38.0	10	GS-BR-300W070	1	1.5	5.4		1		
	GS23-20P2	1/4	190.0	2	GS-BR-080W750	1	0.1	0.5	BR-N1-240W200	1	2.0	
	GS23-20P5	1/2	95.0	4	GS-BR-080W200	1	0.3	1.9	BR-N1-240W150	1	2.6	
	GS23-21P0	1	63.3	6		1	0.5			1		
	GS23-22P0	2	47.5	8	GS-BR-200W091	1	1	4.2	BR-N1-280W50	1	7.8	
	GS23-23P0	3	38.0	10	GS-BR-300W070	1	1.5	5.4		1		
	GS23-25P0	5	19.0	20	GS-BR-400W040	1	2.5	9.5	BR-N1-800W25	1	15.6	
	GS23-27P5	7 1/2	16.5	23	GS-BR-1K0W020	1	3.7	19	BR-N1-800W18P0	1	21.7	
	GS23-2010	10	14.6	26		1	5.1		BR-N1-1K1W15P0	1	26.0	
	GS23-2015	15	12.6	29	GS-BR-1K5W013	1	7.4	29	BR-N1-1K5W14P0	1	27.9	
	GS23-2020	20	8.3	46	GS-BR-1K0W4P3 (x2 series)	2	10.2	44	BR-N1-2K2W08P6	1	45.3	
	460V	GS23-40P5	1/2	380.0	2	GS-BR-080W750	1	0.3	1	BR-N1-250W400	1	2.0
		GS23-41P0	1	190.0	4		1	0.5		BR-N1-240W200	1	3.9
GS23-42P0		2	126.7	6	GS-BR-200W360	1	1	2.1	BR-N1-240W150	1	5.2	
GS23-43P0		3	108.6	7	GS-BR-300W250	1	1.5	3	BR-N1-500W200	1	3.9	
GS23-45P0		5	84.4	9	GS-BR-400W150	1	2.5	5.1	BR-N1-500W130	1	6.0	
GS23-47P5		7 1/2	50.7	15	GS-BR-1K0W075	1	3.7	10.2	BR-N1-720W85	1	9.2	
GS23-4010		10	40.0	19		1	5.1		BR-N1-1K2W50	1	15.6	
GS23-4015		15	33.0	23	GS-BR-1K5W043	1	7.4	17.6	BR-N1-1K5W40	1	19.5	
GS23-4020		20	26.2	29	GS-BR-1K0W016(x2 series)	2	10.2	24	BR-N1-1K7W30	1	26.0	
GS23-4025		25	26.2	29	GS-BR-1K0W016 (x2 series)	2	12.2		BR-N1-2K3W26	1	30.0	
GS23-4030		30	23.0	33	GS-BR-1K5W013 (x2 series)	2	14.9	29	BR-N1-2K8W25	1	31.2	
575V		GS23-51P0	1	280.0	4	GS-BR-080W750	1	0.5	1.2	BR-N1-250W400	1	2.8
	GS23-52P0	2	186.7	6	GS-BR-200W360	1	1	2.6	BR-N1-240W200	1	5.6	
	GS23-53P0	3	160.0	7	GS-BR-300W400	1	1.5	2.3	BR-N1-500W200	1		
	GS23-55P0	5	93.3	12	GS-BR-500W100	1	2.5	9.2	BR-N1-500W130	1	8.6	
	GS23-57P5	7 1/2	80.0	14	GS-BR-750W140	1	3.7	6.6	BR-N1-720W85	1	13.2	
GS20X - 230V	GS23-5010	10	70.0	16	GS-BR-1K0W075	1	5.1	12.3	BR-N1-1K2W75	1	14.9	
	GS21X-20P5	1/2	95.0	4	GS-BR-080W200	1	0.3	1.9	BR-N1-240W150	1	2.6	
	GS21X-21P0	1	63.3	6		1	0.5			1		
	GS21X-22P0	2	47.5	8	GS-BR-200W091	1	1	4.2	BR-N1-280W50	1	7.8	
	GS21X-23P0	3	38.0	10	GS-BR-300W070	1	1.5	5.4		1		
	GS23X-20P5	1/2	190.0	2	GS-BR-080W200	1	0.1	0.5	BR-N1-240W200	1	2.0	
	GS23X-21P0	1	95.0	4		1	0.3	1.9	BR-N1-240W150	1	2.6	
	GS23X-22P0	2	63.3	6	GS-BR-200W091	1	0.5			1		
	GS23X-23P0	3	47.5	8	GS-BR-300W070	1	1	4.2	BR-N1-280W50	1	7.8	
	GS23X-25P0	5	38.0	10	GS-BR-400W040	1	1.5	5.4		1		
	GS23X-27P5	7 1/2	19.0	20	GS-BR-1K0W020	1	2.5	9.5	BR-N1-800W25	1	15.6	
GS20X - 460V	GS23X-40P5	1/2	380.0	2	GS-BR-080W750	1	0.3	1	BR-N1-800W18P0	1	21.7	
	GS23X-41P0	1	190.0	4		1	0.5		BR-N1-240W200	1	3.9	
	GS23X-42P0	2	126.7	6	GS-BR-200W360	1	1	2.1	BR-N1-240W150	1	5.2	
	GS23X-43P0	3	108.6	7	GS-BR-300W250	1	1.5	3	BR-N1-500W200	1	3.9	
	GS23X-45P0	5	84.4	9	GS-BR-400W150	1	2.5	5.1	BR-N1-500W130	1	6.0	
	GS23X-47P5	7 1/2	50.7	15	GS-BR-1K0W075	1	3.7	10.2	BR-N1-720W85	1	9.2	
	GS23X-4010	10	40.0	19		1	5.1		BR-N1-1K2W50	1	15.6	
* 10% Duty Cycle with maximum ON (braking) time for 10 seconds.												

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