

Servo Drives 9400 HighLine

Accessories



Brake resistors

The assignment of brake resistors to the Single Drive axis modules is shown in the table below.



Brake resistor 82 ohms

Typical motor power	Mains voltage	Product key		Rated resistance	Rated power	Thermal capacity	Dimensions	Mass
		Single Drive	Brake resistor					
P	U _{AC}			R _N	P _N	C _{th}	h x b x t	m
[kW]	[V]			[Ω]	[kW]	[KW _s]	[mm]	[kg]
0.37	3 AC 180 ... 550 ¹⁾	E94AS□E0024	ERBP082R200W	82.0	0.20	30.0	320 x 41 x 122	1.0
		E94AS□E0034						
1.50		E94AS□E0044	ERBP047R200W	47.0	0.40	60.0	400 x 110 x 105	2.3
			ERBS047R400W					
			ERBS047R800W					
3.00		E94AS□E0074	ERBP047R200W	47.0	0.20	30.0	320 x 41 x 122	1.0
			ERBS047R400W					
			ERBS047R800W					
5.50		E94AS□E0134	ERBP027R200W	27.0	0.20	30.0	320 x 41 x 122	1.0
			ERBS027R600W					
			ERBS027R01K2					
7.50		E94AS□E0174	ERBP018R300W	18.0	0.30	30.0	240 x 41 x 122	1.4
			ERBS018R800W					
			ERBS018R02K8					
11.0		E94AS□E0244	ERBP018R300W	18.0	1.20	180	1020 x 110 x 105	5.6
			ERBS018R01K2					
	ERBS018R02K8							
15.0	E94AS□E0324	ERBS018R800W	15.0	0.80	120	710 x 110 x 105	3.9	
		ERBS018R01K4						
		ERBG018R04K3						
22.0	E94AS□E0474	ERBS015R800W	15.0	0.80	120	710 x 110 x 105	3.9	
		ERBS015R02K4						
		ERBG015R06K2						
30.0	E94AS□E0594	ERBS015R01K2	15.0	1.20	180	1020 x 110 x 105	5.6	
		ERBG015R03K3						
		ERBG015R10K0						

¹⁾ For 230 V mains voltage a different brake resistor assignment applies.

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The assignment of brake resistors to Single Drive axis modules is shown in the table below.

- Two resistors should be connected in parallel for the following combinations:
 E94AS□E3664 and ERBG035D03K3
 E94AS□E4604 and ERBG028D04K1
 E94AS□E5724 and ERBG023D05K6
 E94AS□E6354 and ERBG023D05K6
 E94AS□E6954 and ERBG023D05K6



3.5 ohm brake resistor

Typical motor power	Mains voltage	Product key		Rated resistance	Rated power	Thermal capacity	Dimensions	Mass
		Single Drive	Brake resistor					
4-pole asynchronous motor								
P	U _{AC}			R _N	P _N	C _{th}	h x b x t	m
[kW]	[V]			[Ω]	[kW]	[kW _s]	[mm]	[kg]
45.0	3 AC 180 ... 550 ¹⁾	E94AS□E0864	ERBG075D01K9	7.5	1.90	285	486 x 236 x 302	9.5
55.0		E94AS□E1044						
75.0	3 AC 342 ... 550	E94AS□E1454	ERBG005R02K6	5.0	2.60	390	486 x 326 x 302	12.6
90.0		E94AS□E1724	ERBG043D03K0	4.3	3.00	450		11.8
105		E94AS□E2024	ERBG035D03K3	3.5	3.30	495		12.6
130		E94AS□E2454	ERBG028D04K1	2.8	4.10	615	486 x 426 x 302	12.8
150		E94AS□E2924	ERBG023D05K6	2.3	5.60	840		15.9
190		E94AS□E3664	ERBG035D03K3	3.5	3.30	495	486 x 326 x 302	12.6
240		E94AS□E4604	ERBG028D04K1	2.8	4.10	615	486 x 426 x 302	12.8
300		E94AS□E5724	ERBG023D05K6	2.3	5.60	840		15.9
335		E94AS□E6354						
370		E94AS□E6954						

¹⁾ For 230 V mains voltage a different brake resistor assignment applies.