

Servo Drives 9400 HighLine

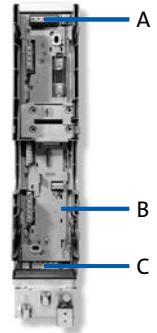
Accessories



Installation backplane

Up to a rated current of 23.5 A, the Servo Drives 9400 consist of an axis module and an installation backplane. The backplane can initially be mounted in the control cabinet without the axis module. This mechanical structure is also used for power supply modules up to a rated power of 17.5 kW and for regenerative power supply modules for a supply power of up to 27 kW, which simplifies installation. This also offers additional advantages in terms of reduced spare part inventories and time savings in the event of drive replacements. Further features of the installation backplane:

- A brake module for a 24 V DC, 2.5 A brake can be installed as an option
- Shields for power and control cables can be connected



Installation backplane for Single Drive:

- A: mains connection
- B: brake module (optional)
- C: motor connection

Assignment of Single Drive axes and backplanes

Typical motor power	Mains voltage	Product key		Mode
		Single Drive	Installation backplane	
4-pole asynchronous motor				Installation backplane
P	U_{AC}			
[kW]	[V]			
0.37	3 AC 180 ... 550	E94AS□E0024	E94AZPS0034N	Without brake module
			E94AZPS0034H□0051	With brake module
0.75		E94AS□E0034	E94AZPS0034N	Without brake module
			E94AZPS0034H□0051	With brake module
1.50		E94AS□E0044	E94AZPS0074N	Without brake module
			E94AZPS0074H□0051	With brake module
3.00		E94AS□E0074	E94AZPS0074N	Without brake module
			E94AZPS0074H□0051	With brake module
5.50		E94AS□E0134	E94AZPS0244N	Without brake module
			E94AZPS0244H□0051	With brake module
7.50		E94AS□E0174	E94AZPS0244N	Without brake module
			E94AZPS0244H□0051	With brake module
11.0		E94AS□E0244	E94AZPS0244N	Without brake module
			E94AZPS0244H□0051	With brake module

DC busbar set for Single Drive installation backplane

Running the Single Drive axis module in a DC-bus connection (multi-axis application) requires retrofitting the DC busbar system and using DC fuses.

Mechanical coupling is possible with the following components:

- Power supply module
- DC input module
- Single Drive axis modules
- Multi Drive axis modules

For retrofitting the DC busbar system and the DC fuse have to be installed in the axis module's installation backplane, which is provided with the appropriate fixtures.

The DC fuse required is part of the DC busbar set. Spare fuses are not contained in the scope of supply.

Product key		
Installation backplane	DC busbar mounting set	DC fuses
E94AZPS0034N	E94AZJA003	EFSAR0016ARHN
E94AZPS0034H□0051		
E94AZPS0074N	E94AZJA007	EFSAR0040ARHN
E94AZPS0074H□0051		
E94AZPS0244N	E94AZJA024	EFSAR0100ARZN
E94AZPS0244H□0051		

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Accessories



Installation backplane

Assignment of Multi Drive axes and backplanes

Typical motor power 4-pole asynchronous motor P [kW]	Mains voltage U_{AC} [V]	Product key		Mode
		Multi Drive	Installation backplane	
0.37	3 AC 180 ... 550	E94AM□E0024	E94AZPM0044N	Without brake module
			E94AZPM0044H□0051	With brake module
E94AM□E0034		E94AZPM0044N	Without brake module	
		E94AZPM0044H□0051	With brake module	
E94AM□E0044		E94AZPM0044N	Without brake module	
		E94AZPM0044H□0051	With brake module	
E94AM□E0074		E94AZPM0094N	Without brake module	
		E94AZPM0094H□0051	With brake module	
E94AM□E0094		E94AZPM0094N	Without brake module	
		E94AZPM0094H□0051	With brake module	
E94AM□E0134		E94AZPM0244N	Without brake module	
		E94AZPM0244H□0051	With brake module	
E94AM□E0174		E94AZPM0244N	Without brake module	
		E94AZPM0244H□0051	With brake module	
E94AM□E0244		E94AZPM0244N	Without brake module	
		E94AZPM0244H□0051	With brake module	
E94AM□E0324	E94AZPM0324N	Without brake module		
	E94AZPM0324H□0051	With brake module		

4.3

Assignment: power supply modules / regenerative power supply modules and mounting backplane

Rated power With mains filter/mains choke P_N [kW]	Mains voltage U_{AC} [V]	Product key		
		Power supply module	Supply- / regenerative module	Installation backplane
4.90 17.5 15.0 27.0	3 AC 180 ... 550	E94APNE0104		E94AZPP0104
		E94APNE0364		E94ARNE0134 E94ARNE0244

Replacement DC fuses for Multi Drive installation backplane

If you need to replace the DC fuse in the Multi Drive installation backplane, the available types are listed in the table below.

Product key	
Installation backplane	DC fuses
E94AZPM0044N	EFSAR0016ARHN
E94AZPM0044H□0051	
E94AZPM0094N	EFSAR0040ARHN
E94AZPM0094H□0051	
E94AZPM0244N	EFSAR0100ARZN
E94AZPM0244H□0051	
E94AZPM0324N	
E94AZPM0324H□0051	