

Servo Drives 9400 HighLine

Accessories



Brake modules

Internal activation

An intelligent motor brake logic system is included as standard in the axis modules' device software in the form of a function block.





The brake modules are available in numerous designs.

The optionally integrable brake modules enable a DC 24 V, DC 180 V or DC 205 V brake to be easily connected and this logic to be used.

- For axis modules up to 23.5 A, the brake module is integrated into the installation backplane.
- For axis modules above 32 A, the brake module is integrated into the axis modules.



Brake module, can be integrated into installation backplane

Mode		Features	Product key
Brake module			
24 V DC/0.3 - 2.5 A		<ul style="list-style-type: none"> • 24 V DC external supply voltage • Monitoring of power supply and brake cable for open circuit and short circuit • Polarity reversal protection for supply voltage • Can be integrated into the installation backplanes, up to 32 A 	E94AZHX0051
24 V DC/1.0 - 5.0 A		<ul style="list-style-type: none"> • 24 V DC external supply voltage • Monitoring of power supply and brake cable for open circuit and short circuit • Polarity reversal protection for supply voltage • Can be integrated into the axis modules, from 32 A 	E94AZHY0101
180 V DC/0.1 - 0.61 A		<ul style="list-style-type: none"> • 400 V AC external supply voltage • Monitoring of power supply and brake cable for open circuit and short circuit • Polarity reversal protection for supply voltage • Can be integrated into the axis modules, from 32 A 	E94AZHY0026
205 V DC/0.1 - 0.75 A		<ul style="list-style-type: none"> • External supply voltage 230 V AC • Monitoring of power supply and brake cable for open circuit and short circuit • Polarity reversal protection for supply voltage • Can be integrated into the axis modules, from 32 A 	E94AZHY0025

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External activation

Due to their functional principle, the motor brake in Single Drives cannot be released if there is no mains or DC-bus voltage. Brake modules which can be activated externally are therefore provided for a 24V brake.

Mode	Features	Product key
Brake module		
24 V DC/0.3 - 2.5 A	<ul style="list-style-type: none"> • 24 V DC external supply voltage • Monitoring of power supply and brake cable for open circuit and short circuit • Polarity reversal protection for supply voltage • Can be integrated into the installation backplanes, up to 32 A 	E94AZHA0051
24 V DC/1.0 - 5.0 A	<ul style="list-style-type: none"> • 24 V DC external supply voltage • Monitoring of power supply and brake cable for open circuit and short circuit • Polarity reversal protection for supply voltage • Can be integrated into the axis modules, from 32 A 	E94AZHB0101

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Brake modules

External brake modules

The external brake modules are provided for DIN rail installation and can be used if axis modules up to 23.5A require brake voltages of 180V DC and 205V DC.

Mode		Features	Product key
Brake module			
180 V DC/0.1 - 0.75 A		<ul style="list-style-type: none">• 400 V AC external supply voltage• Monitoring of power supply and brake cable for open circuit and short circuit• Polarity reversal protection for supply voltage• Preconfigured for DIN rail mounting	E94AZHN0026
205 V DC/0.1 - 0.75 A		<ul style="list-style-type: none">• External supply voltage 230 V AC• Monitoring of power supply and brake cable for open circuit and short circuit• Polarity reversal protection for supply voltage• Preconfigured for DIN rail mounting	E94AZHN0025