

SINAMICS S120

Product Data Sheet

6SL3100-1AE31-0AB1

Booksize braking module

RATED BRAKING POWER	MAXIMUM BRAKING POWER	ACTIVATION VOLTAGE	DC-LINK VOLTAGE RANGE
1.5 kW	100 kW	770 V DC	510 to 720 V DC

Siemens 6SL3100-1AE31-0AB1 is a booksize braking module for the SINAMICS S120 drive system. It provides the interface to an external braking resistor for dissipating regenerative energy when the configured drive requires resistive braking.

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VERIFIED TECHNICAL DATA

Rated braking power	1.5 kW
Maximum braking power	100 kW
Activation voltage	770 V DC
DC-link voltage range	510 to 720 V DC
DC-link capacitance	110 microF
Control supply	24 V DC
Control-supply consumption	0.50 A maximum
24 V busbar current	20 A maximum
DC-link busbar current	100 A maximum
Digital input count	2

ADDITIONAL PRODUCT DATA

Digital input voltage range	-3 to +30 V
Digital input high level	15 to 30 V
Digital output count	2
Digital output current	100 mA per output
Braking resistor cable length	10 m maximum

DOCUMENTED USE SETTINGS

Packaging Production and Material Handling: Industrial Packaging Production.

Textile Manufacturing and Finishing: Textile Yarn Manufacturing.

Metal Forming and Rolling: Industrial Metal Forming.

SYSTEM COMPATIBILITY

6SL3100-1AE31-0AB1 is the booksize braking module for SINAMICS S120. Match the documented interface and installed companion equipment before configuring the assembly.

PRODUCT EVIDENCE

Siemens SINAMICS S120 technical documentation