

6SL3300-1AH32-5BA0

SINAMICS Braking Module

CONTROLLED ENGINEERING COPY

Isolate the mains and DC link, confirm zero voltage, match the braking resistor and conductor sizing, verify PE continuity, and test the enable/status circuit before commanded deceleration.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6SL3300-1AH32-5BA0
Manufacturer part	6SL3300-1AH32-5BA0
Hardware type	6SL3300-1AH32-5BA0
System family	SINAMICS drive DC-link braking system



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete 6SL3300-1AH32-5BA0 marking and the assigned SINAMICS drive DC-link braking system position before work.
- 2

Place the connected machine or process in the approved maintenance state before disturbing 6SL3300-1AH32-5BA0.
- 3

Isolate the applicable power and field energy, then confirm a safe state before disconnecting 6SL3300-1AH32-5BA0.
- 4

Record connector, conductor, slot and configuration identities before removal of 6SL3300-1AH32-5BA0.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies during handling.

MATCHED HARDWARE

- Compatible SINAMICS power unit
- Approved braking resistor
- DC-link and PE connections
- 24 V control wiring

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6SL3300-1AH32-5BA0 / 6SL3300-1AH32-5BA0 recorded
Physical interface	Compatible SINAMICS power unit
Companion check	Approved braking resistor
Functional proof	Provides 50 kW rated braking duty
Application test	Rapid deceleration of high-inertia loads

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Article number	6SL3300-1AH32-5BA0
Product designation	Braking Module
Rated braking power	50.00 kW
Maximum braking power	250.00 kW
DC-link voltage	890 to 1035 V DC
Digital inputs	1
Digital-input voltage	24 V DC
Input low level	-3 to 5 V
Input high level	15 to 30 V
Typical 24 V input current	10 mA
Digital outputs	1
Digital-output voltage	24 V DC
Maximum digital-output load	500 mA
Control conductor cross-section	1.5 mm2 maximum

FIELD NOTE

Isolate the mains and DC link, confirm zero voltage, match the braking resistor and conductor sizing, verify PE continuity, and test the enable/status circuit before commanded deceleration.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6SL3300-1AH32-5BA0 / 6SL3300-1AH32-5BA0 recorded
Physical interface	Compatible SINAMICS power unit
Companion check	Approved braking resistor
Functional proof	Provides 50 kW rated braking duty
Application test	Rapid deceleration of high-inertia loads

04 RETURN-TO-SERVICE RECORD

- ☐ Confirm that the installed companion hardware and approved project match the 6SL3300-1AH32-5BA0 arrangement.
- ☐ Restore power in a controlled sequence and review device, rack and host diagnostics.
- ☐ Prove the intended function and retain the final test result before returning 6SL3300-1AH32-5BA0 to service.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	6SL3300-1AH32-5BA0
INSTALLED POSITION	Documented SINAMICS drive DC-link braking system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6QN5501-0BA	Related Siemens product	View 6QN5501-0BA page
39SAMCAN-16133-71-13	Related Siemens product	View 39SAMCAN-16133-71-13 page
39VIMCCN-A5E0028217-5-07	Related Siemens product	View 39VIMCCN-A5E00282175-07 page
39VIMCCN-16171-126-6	Related Siemens product	View 39VIMCCN-16171-126-6 page
39VIMCCN-16171-126-3	Related Siemens product	View 39VIMCCN-16171-126-3 page
39SDM024DCCBN-16101-174-8	Related Siemens product	View 39SDM024DCCBN-16101-174-8 page
39SAMCAN-16133-71-9	Related Siemens product	View 39SAMCAN-16133-71-9 page
39SAMCAN-16133-71-8	Related Siemens product	View 39SAMCAN-16133-71-8 page

SOURCE IDENTIFIERS

Siemens Industry Mall technical data sheet
6SL3300-1AH32-5BA0

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