

6SL3200-0SP06-0AA0

SINAMICS G120X/G120XA PSB Power Supply Board

Siemens 6SL3200-0SP06-0AA0 is a PSB power supply board for SINAMICS G120X and G120XA converters in frame sizes FSH and FSJ. It provides the internal ± 24 V electronics supply and 56 V power-unit fan supply.

BRAND	Siemens	FAMILY	SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ
PART	6SL3200-0SP06-0AA0	SYSTEM ROLE	Provides the internal electronics power-supply function

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MANUFACTURER SOURCE RECORD

SINAMICS G120X/G120XA Catalog D31.7
Siemens Catalog D31.7, July 2024 / Update 2025-09

Product Overview

SYSTEM FUNCTION

Siemens 6SL3200-0SP06-0AA0 is a PSB power supply board for SINAMICS G120X and G120XA converters in frame sizes FSH and FSJ. It provides the internal ± 24 V electronics supply and 56 V power-unit fan supply.

FUNCTION 1

Provides the internal electronics power-supply function

FUNCTION 2

Supplies the power-unit fan circuit

FUNCTION 3

Fits the documented FSH and FSJ converter frames

FUNCTION 4

Supports both SINAMICS G120X and G120XA installations

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ
Primary interface	Provides the internal electronics power-supply function
Engineering context	6SL3200-0SP06-0AA0 is serviced only in the documented SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ arrangement with its matching host, connector set and cabinet interfaces. Commissioning preserves the as-found configuration and verifies identity, connections, diagnostics and the affected system function.
Commissioning duty	Verify normal electronics startup and fan operation before returning the drive to service.

TECHNICAL NOTE

Before removing 6SL3200-0SP06-0AA0, record the complete marking, installed position, mating hardware, connectors, wiring and configured function. Restore the documented Siemens arrangement, review diagnostics and complete a controlled functional test before release.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Article number	6SL3200-0SP06-0AA0	Frame sizes	FSH and FSJ
Board type	PSB power supply board	Electronics supply	±24 V
Converter families	SINAMICS G120X and G120XA	Power-unit fan supply	56 V

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6SE7041-8GK85-0HA0	PER3 interface	View 6SE7041-8GK85-0HA0 page
6RA8075-6DS22-0AA0	SINAMICS DC converter	View 6RA8075-6DS22-0AA0 page
6ES7314-6BH04-0AB0	S7-300 CPU	View 6ES7314-6BH04-0AB0 page
6ES7223-1BL22-0XA0	S7-200 I/O module	View 6ES7223-1BL22-0XA0 page
6AU1455-2AD00-0AA0	SIMOTION controller	View 6AU1455-2AD00-0AA0 page
6SL3120-2TE21-0AA4	SINAMICS Motor Module	View 6SL3120-2TE21-0AA4 page
6SL3320-1TE33-1AA3	SINAMICS Motor Module	View 6SL3320-1TE33-1AA3 page
6SL3362-0AG00-0AA1	SINAMICS component	View 6SL3362-0AG00-0AA1 page

ENGINEERING BOUNDARY

Confirm 6SL3200-0SP06-0AA0, G120X or G120XA host, FSH/FSJ frame, hardware version, PSB connectors, ±24 V electronics path, 56 V fan path, grounding, firmware, configuration and controlled startup diagnostics before commissioning.

Applications and Precautions

Common Applications

G120X FSH power-supply service

Restores the internal PSB position in the documented converter frame.

G120XA FSJ fan-supply maintenance

Restores the board supplying the power-unit fan circuit.

Infrastructure converter repair

Preserves the documented internal supply architecture during controlled maintenance.

Converter recommissioning

Provides the exact PSB identity used during electronics and fan-supply verification.

Product Precautions

- 1

Confirm 6SL3200-0SP06-0AA0 and the installed converter family before work.
- 2

Isolate incoming power and prove the DC link discharged using the approved Siemens procedure.
- 3

Confirm the converter is frame size FSH or FSJ and record its hardware version.
- 4

Record all board connectors, cable routes and protective-earth points before removal.
- 5

Use ESD controls and protect the PSB connector interfaces from contamination.
- 6

Restore the documented ± 24 V electronics and 56 V fan-supply connections.
- 7

Review converter, control-unit and fan diagnostics after controlled energization.
- 8

Verify normal electronics startup and fan operation before returning the drive to service.

IMPORTANT NOTICE

Confirm 6SL3200-0SP06-0AA0, G120X or G120XA host, FSH/FSJ frame, hardware version, PSB connectors, ± 24 V electronics path, 56 V fan path, grounding, firmware, configuration and controlled startup diagnostics before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	6SL3200-0SP06-0AA0
Configuration	Review converter, control-unit and fan diagnostics after controlled energization.
Functional release	Verify normal electronics startup and fan operation before returning the drive to service.

Engineer FAQ

Q1 What identity details must be checked before 6SL3200-0SP06-0AA0 is removed?

Confirm 6SL3200-0SP06-0AA0, G120X or G120XA host, FSH/FSJ frame, hardware version, PSB connectors, ± 24 V electronics path, 56 V fan path, grounding, firmware, configuration and controlled startup diagnostics before commissioning.

Q3 Which SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ interfaces must be recorded for 6SL3200-0SP06-0AA0?

6SL3200-0SP06-0AA0 is serviced only in the documented SINAMICS G120X and G120XA converters, frame sizes FSH and FSJ arrangement with its matching host, connector set and cabinet interfaces. Commissioning preserves the as-found configuration and verifies identity, connections, diagnostics and the affected system function.

Q5 How should the installed configuration be restored after fitting 6SL3200-0SP06-0AA0?

Restore the documented ± 24 V electronics and 56 V fan-supply connections.

Q7 What replacement records should be retained for 6SL3200-0SP06-0AA0?

Confirm 6SL3200-0SP06-0AA0 and the installed converter family before work. Use ESD controls and protect the PSB connector interfaces from contamination.

Q2 How does 6SL3200-0SP06-0AA0 perform its documented sinamics g120x/g120xa psb power supply board role?

Provides the internal electronics power-supply function. It provides the internal ± 24 V electronics supply and 56 V power-unit fan supply.

Q4 What isolation and ESD controls apply while handling 6SL3200-0SP06-0AA0?

Isolate incoming power and prove the DC link discharged using the approved Siemens procedure. Confirm the converter is frame size FSH or FSJ and record its hardware version.

Q6 Which diagnostic evidence confirms that 6SL3200-0SP06-0AA0 is recognized correctly?

Review converter, control-unit and fan diagnostics after controlled energization.

Q8 What final acceptance test is required before 6SL3200-0SP06-0AA0 returns to service?

Verify normal electronics startup and fan operation before returning the drive to service.

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