

INDUSTRIAL AUTOMATION PRODUCT

A5E03915589

SINAMICS S120 PSBC2 Gen. 2 Power Board

Siemens A5E03915589 is a SINAMICS PSBC2 Gen. 2 power-supply board for a documented S120 chassis power-unit assembly. Its label identifies the board interfaces and IP00 execution used during exact replacement and recommissioning.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SINAMICS S120 Chassis Power Units
Part number	A5E03915589
Product role	Uses the exact PSBC2 Gen. 2 article identity
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Match A5E03915589 to the exact PSBC2 Gen.

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INSTALLATION IDENTITY SAFEGUARDS

HOST MATCH	SINAMICS S120 Chassis Power Units
ARTICLE CONTROL	Retain the complete A5E03915589 marking and board position.
CONNECTION RECORD	Photograph and label every affected power, control, grounding and cooling interface.
RELEASE EVIDENCE	Record isolation, diagnostics, configuration comparison and controlled functional test results.

Technical Specifications

Technical values below are limited to the named Siemens product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Article identifier	A5E03915589	Main input	320 to 1244 V DC; 0.2 to 0.7 A
Board designation	PSBC2 Gen. 2	Auxiliary input	24 V DC; 8.8 A
Drive family	SINAMICS S120	Output 1	24 V DC; 3 A

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	SINAMICS S120 Chassis Power Units
Primary system role	Uses the exact PSBC2 Gen. 2 article identity
Connection boundary	Match A5E03915589 to the exact PSBC2 Gen.
Controlled acceptance duty	S120 chassis power-unit repair

ENGINEERING BOUNDARY

Confirm A5E03915589, PSBC2 Gen. 2, host S120 chassis unit, connector polarity, labeled inputs and outputs, IP00 protection, DC-link isolation, bonding, cooling and controlled diagnostic results before commissioning.

Pre-Installation Checks

- 1

Confirm A5E03915589, PSBC2 Gen. 2 and the complete host power-unit identity.
- 2

Place the drive, motor and process in the approved maintenance state.
- 3

Isolate incoming power and prove the DC link and all board inputs de-energized.
- 4

Record the 320 to 1244 V DC input, 24 V input, outputs, polarity and connectors.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	A5E03915589
Installed host	SINAMICS S120 Chassis Power Units
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Siemens A5E03915589 is a SINAMICS PSBC2 Gen. 2 power-supply board for a documented S120 chassis power-unit assembly. Its label identifies the board interfaces and IP00 execution used during exact replacement and recommissioning.

FUNCTION 1
Uses the exact PSBC2 Gen. 2 article identity

FUNCTION 2
Accepts the labeled high-voltage DC board supply

FUNCTION 3
Uses a separate labeled 24 V auxiliary input

FUNCTION 4
Provides the labeled auxiliary outputs for its host assembly

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	SINAMICS S120 Chassis Power Units
2	PSBC2 Gen. 2
3	S120 chassis power-unit repair
4	Match A5E03915589 to the exact PSBC2 Gen.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SINAMICS S120 Chassis Power Units
Interface role	Uses the exact PSBC2 Gen. 2 article identity
Field / power context	The board is installed only in the approved S120 chassis power-unit execution.
Commissioning evidence	Complete interlock, feedback and staged motor-function tests before service release.

Installation and Connection Checks

1 Use ESD controls and preserve insulation clearances, protective bonding and cooling.

2 Restore the exact PSBC2 Gen. 2 position without changing the approved host configuration.

3 Measure the labeled auxiliary outputs under controlled conditions and review host diagnostics.

4 Complete interlock, feedback and staged motor-function tests before service release.

MANUFACTURER SOURCE RECORD

SINAMICS S120 Chassis Power Units Equipment Manual
06/2024, A5E03263591A

Applications and Engineering Context

S120 chassis power-unit repair

Restores the documented PSBC2 Gen. 2 position in the host assembly.

Auxiliary supply fault isolation

Provides label-defined input and output checkpoints for controlled diagnostics.

Power-unit cabinet refurbishment

Preserves insulation, bonding, airflow and connector routing.

Controlled S120 recommissioning

Confirms auxiliary supplies and host diagnostics before motor enablement.

TECHNICAL NOTE

Match A5E03915589 to the exact PSBC2 Gen.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	A5E03915589 recorded
Host / carrier	SINAMICS S120 Chassis Power Units
Physical interface	Uses the exact PSBC2 Gen. 2 article identity
Configuration	Measure the labeled auxiliary outputs under controlled conditions and review host diagnostics.
Functional proof	Complete interlock, feedback and staged motor-function tests before service release.

IMPORTANT NOTICE

Confirm A5E03915589, PSBC2 Gen. 2, host S120 chassis unit, connector polarity, labeled inputs and outputs, IP00 protection, DC-link isolation, bonding, cooling and controlled diagnostic results before commissioning.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	A5E03915589
Approved role	S120 chassis power-unit repair
Final validation	Complete interlock, feedback and staged motor-function tests before service release.

Engineering Precautions

- 1

Confirm A5E03915589, PSBC2 Gen. 2 and the complete host power-unit identity.
- 2

Place the drive, motor and process in the approved maintenance state.
- 3

Isolate incoming power and prove the DC link and all board inputs de-energized.
- 4

Record the 320 to 1244 V DC input, 24 V input, outputs, polarity and connectors.
- 5

Use ESD controls and preserve insulation clearances, protective bonding and cooling.
- 6

Restore the exact PSBC2 Gen. 2 position without changing the approved host configuration.
- 7

Measure the labeled auxiliary outputs under controlled conditions and review host diagnostics.
- 8

Complete interlock, feedback and staged motor-function tests before service release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens	6RY1803-0CM20 product page	View Siemens page
Siemens	C98043-A7107-L4 product page	View Siemens page
Siemens	6RY1803-0DB02 product page	View Siemens page
Siemens	6SL3200-0SP06-0AA0 product page	View Siemens page
Siemens	6SL3985-6TM00-0AA0 product page	View Siemens page
Siemens	6SL3120-2TE21-8AD0 product page	View Siemens page
Siemens	6SE7041-8EK85-0LA0 product page	View Siemens page
Siemens	6SE7035-1EJ84-1JC2 product page	View Siemens page

MANUFACTURER SOURCE RECORD

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