

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.

BRAND	Siemens	FAMILY	SINAMICS S120 Chassis Power Units
PART	A5E03915589	SYSTEM ROLE	Uses the exact PSBC2 Gen. 2 article identity

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A5E03915589

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

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

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	SINAMICS S120 Chassis Power Units
Primary interface	Uses the exact PSBC2 Gen. 2 article identity
Engineering context	The board is installed only in the approved S120 chassis power-unit execution. The board label controls interface identity, while installation, isolation, cabinet and commissioning procedures follow the Siemens chassis power-unit manual.
Commissioning duty	Complete interlock, feedback and staged motor-function tests before service release.

TECHNICAL NOTE

Match A5E03915589 to the exact PSBC2 Gen. 2 position and record the high-voltage DC and 24 V connections before removal. Prove the DC link discharged, preserve insulation and cooling, and verify all board outputs and host power-unit diagnostics during controlled energization.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Article identifier	A5E03915589	Output 1	24 V DC; 3 A
Board designation	PSBC2 Gen. 2	Output 2	24 V DC; 3.8 A
Drive family	SINAMICS S120	Output 3	-24 V DC; 0.7 A
Main input	320 to 1244 V DC; 0.2 to 0.7 A	Rated output	180 W
Auxiliary input	24 V DC; 8.8 A	Degree of protection	IP00

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

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.

Applications and Precautions

Common Applications

S120 chassis power-unit repair

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

Power-unit cabinet refurbishment

Preserves insulation, bonding, airflow and connector routing.

Auxiliary supply fault isolation

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

Controlled S120 recommissioning

Confirms auxiliary supplies and host diagnostics before motor enablement.

Product 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.

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.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	A5E03915589
Configuration	Measure the labeled auxiliary outputs under controlled conditions and review host diagnostics.
Functional release	Complete interlock, feedback and staged motor-function tests before service release.

Engineer FAQ

Q1 How should the complete A5E03915589 identity be verified before replacement?

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

Q3 What isolation sequence applies before disconnecting A5E03915589?

Place the drive, motor and process in the approved maintenance state. Isolate incoming power and prove the DC link and all board inputs de-energized.

Q5 How should ESD, grounding and cooling be controlled when handling A5E03915589?

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

Q7 Which diagnostics should be reviewed during A5E03915589 recommissioning?

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

Q2 Which Siemens drive family must be checked before installing A5E03915589?

The board is installed only in the approved S120 chassis power-unit execution. The board label controls interface identity, while installation, isolation, cabinet and commissioning procedures follow the Siemens chassis power-unit manual.

Q4 Which connections should be recorded before removing A5E03915589?

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

Q6 How is the approved configuration restored after fitting A5E03915589?

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

Q8 What acceptance test is required before A5E03915589 returns to service?

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

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