

A5E00296878

SINAMICS Power-Block IGBT Drive Board

Siemens A5E00296878 identifies a power-block IGBT drive board used within a documented SINAMICS G130/G150/S120 Chassis power-unit assembly. Replacement requires the exact host hardware execution, board position, connections, cooling and drive configuration to be preserved.

BRAND	Siemens	FAMILY	SINAMICS G130/G150/S120 Chassis
PART	A5E00296878	SYSTEM ROLE	Keeps the exact A5E00296878 board identity

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A5E00296878

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

Siemens A5E00296878 identifies a power-block IGBT drive board used within a documented SINAMICS G130/G150/S120 Chassis power-unit assembly. Replacement requires the exact host hardware execution, board position, connections, cooling and drive configuration to be preserved.

FUNCTION 1

Keeps the exact A5E00296878 board identity

FUNCTION 2

Belongs to the documented SINAMICS G130/G150/S120 Chassis power-unit path

FUNCTION 3

Requires matching to the installed host hardware execution

FUNCTION 4

Supports controlled diagnostic and motor-function verification

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	SINAMICS G130/G150/S120 Chassis
Primary interface	Keeps the exact A5E00296878 board identity
Engineering context	The board is selected together with its host power unit rather than as a stand-alone drive rating. Isolation, cabinet access, connection, cooling and recommissioning follow the applicable Siemens SINAMICS G130/G150/S120 Chassis hardware instructions and the as-installed record.
Commissioning duty	Complete controlled direction, feedback, current and motor-function tests before release.

TECHNICAL NOTE

Before removing A5E00296878, record the complete power-unit type, board position, power and control interfaces, grounding and cooling arrangement. Install only in the documented hardware execution, restore the approved configuration and complete staged drive diagnostics and motor tests.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Article identifier	A5E00296878	Installation basis	Documented installed power-unit execution
Component type	power-block IGBT drive board	Connection basis	Recorded board and host interfaces
Drive family	SINAMICS G130/G150/S120 Chassis	Commissioning basis	Approved drive configuration and diagnostics

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens	6SL3310-1GE35-0AA3 product page	View Siemens page
Siemens	C98043-A7042-L1-6 product page	View Siemens page
Siemens	6SL3246-0BA22-1PA0-V-4-7 product page	View Siemens page
Siemens	C98043-A7005-L1-6RY1704-0AA00 product page	View Siemens page
Siemens	A5F00133580-014-C98043-A7100 product page	View Siemens page
Siemens	6SL3210-1PE21-1AL0 product page	View Siemens page
Siemens	6SL3210-1PE21-8AL0 product page	View Siemens page
Siemens	6SL3246-0BA22-1FA0 product page	View Siemens page

ENGINEERING BOUNDARY

Confirm A5E00296878, the complete SINAMICS G130/G150/S120 Chassis host and hardware version, connectors, DC-link isolation, protective bonding, cooling, firmware, approved configuration and controlled test results before commissioning.

Applications and Precautions

Common Applications

SINAMICS G130/G150/S120 Chassis power-unit service

Restores the documented internal board position after controlled isolation.

Power-stage fault recovery

Supports board-level service after the host unit is exactly identified.

Drive cabinet refurbishment

Preserves internal connections, protective bonding and cooling paths.

Controlled drive recommissioning

Combines configuration comparison, diagnostics and staged motor testing.

Product Precautions

- 1

Confirm A5E00296878 and the complete installed SINAMICS G130/G150/S120 Chassis power-unit record.
- 2

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

Isolate incoming power and prove the DC link and all stored energy discharged.
- 4

Record board position, every power and control connector, grounding and cooling hardware.
- 5

Use ESD controls and preserve insulation clearances, bonding and airflow paths.
- 6

Install only in the documented host execution and restore the approved drive configuration.
- 7

Review board, power-unit, communication and temperature diagnostics after energization.
- 8

Complete controlled direction, feedback, current and motor-function tests before release.

IMPORTANT NOTICE

Confirm A5E00296878, the complete SINAMICS G130/G150/S120 Chassis host and hardware version, connectors, DC-link isolation, protective bonding, cooling, firmware, approved configuration and controlled test results before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	A5E00296878
Configuration	Review board, power-unit, communication and temperature diagnostics after energization.
Functional release	Complete controlled direction, feedback, current and motor-function tests before release.

Engineer FAQ

Q1 How should the complete A5E00296878 identity be verified before replacement?

Confirm A5E00296878 and the complete installed SINAMICS G130/G150/S120 Chassis power-unit record.

Q3 What isolation sequence applies before disconnecting A5E00296878?

Place the drive, motor and connected process in the approved maintenance state. Isolate incoming power and prove the DC link and all stored energy discharged.

Q5 How should ESD, grounding and cooling be controlled when handling A5E00296878?

Use ESD controls and preserve insulation clearances, bonding and airflow paths.

Q7 Which diagnostics should be reviewed during A5E00296878 recommissioning?

Review board, power-unit, communication and temperature diagnostics after energization.

Q2 Which Siemens drive family must be checked before installing A5E00296878?

The board is selected together with its host power unit rather than as a stand-alone drive rating. Isolation, cabinet access, connection, cooling and recommissioning follow the applicable Siemens SINAMICS G130/G150/S120 Chassis hardware instructions and the as-installed record.

Q4 Which connections should be recorded before removing A5E00296878?

Record board position, every power and control connector, grounding and cooling hardware.

Q6 How is the approved configuration restored after fitting A5E00296878?

Install only in the documented host execution and restore the approved drive configuration.

Q8 What acceptance test is required before A5E00296878 returns to service?

Complete controlled direction, feedback, current and motor-function tests before release.

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