

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SINAMICS G130/G150/S120 Chassis
Part number	A5E00296878
Product role	Keeps the exact A5E00296878 board 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

Before removing A5E00296878, record the complete power-unit type, board position, power and control interfaces, grounding and cooling arrangement.

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A5E00296878

INSTALLATION IDENTITY SAFEGUARDS

HOST MATCH	SINAMICS G130/G150/S120 Chassis
ARTICLE CONTROL	Retain the complete A5E00296878 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	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

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	SINAMICS G130/G150/S120 Chassis
Primary system role	Keeps the exact A5E00296878 board identity
Connection boundary	Before removing A5E00296878, record the complete power-unit type, board position, power and control interfaces, grounding and cooling arrangement.
Controlled acceptance duty	SINAMICS G130/G150/S120 Chassis power-unit service

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.

Pre-Installation Checks

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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	A5E00296878
Installed host	SINAMICS G130/G150/S120 Chassis
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

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

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	SINAMICS G130/G150/S120 Chassis
2	power-block IGBT drive board
3	SINAMICS G130/G150/S120 Chassis power-unit service
4	Before removing A5E00296878, record the complete power-unit type, board position, power and control interfaces, grounding and cooling arrangement.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SINAMICS G130/G150/S120 Chassis
Interface role	Keeps the exact A5E00296878 board identity
Field / power context	The board is selected together with its host power unit rather than as a stand-alone drive rating.
Commissioning evidence	Complete controlled direction, feedback, current and motor-function tests before release.

Installation and Connection Checks

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

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

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

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

MANUFACTURER SOURCE RECORD

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

Applications and Engineering Context

SINAMICS G130/G150/S120 Chassis power-unit service

Restores the documented internal board position after controlled isolation.

Drive cabinet refurbishment

Preserves internal connections, protective bonding and cooling paths.

Power-stage fault recovery

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

Controlled drive recommissioning

Combines configuration comparison, diagnostics and staged motor testing.

TECHNICAL NOTE

Before removing A5E00296878, record the complete power-unit type, board position, power and control interfaces, grounding and cooling arrangement.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	A5E00296878 recorded
Host / carrier	SINAMICS G130/G150/S120 Chassis
Physical interface	Keeps the exact A5E00296878 board identity
Configuration	Review board, power-unit, communication and temperature diagnostics after energization.
Functional proof	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.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	A5E00296878
Approved role	SINAMICS G130/G150/S120 Chassis power-unit service
Final validation	Complete controlled direction, feedback, current and motor-function tests before release.

Engineering 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.

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

MANUFACTURER SOURCE RECORD

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