

A5E00825002

SINAMICS G120 Power-Block IGD Drive Board

Siemens A5E00825002 identifies a power-block IGD drive board used within a documented SINAMICS G120 PM240 power-unit assembly. Replacement requires the exact host hardware execution, board position, connections, cooling and drive configuration to be preserved.

BRAND	Siemens	FAMILY	SINAMICS G120 PM240
PART	A5E00825002	SYSTEM ROLE	Keeps the exact A5E00825002 board identity

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A5E00825002

MANUFACTURER SOURCE RECORD

SINAMICS G120 PM240 Power Modules Hardware Installation Manual
07/2016

Product Overview

SYSTEM FUNCTION

Siemens A5E00825002 identifies a power-block IGD drive board used within a documented SINAMICS G120 PM240 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 A5E00825002 board identity

FUNCTION 2

Belongs to the documented SINAMICS G120 PM240 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 G120 PM240
Primary interface	Keeps the exact A5E00825002 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 G120 PM240 hardware instructions and the as-installed record.
Commissioning duty	Complete controlled direction, feedback, current and motor-function tests before release.

TECHNICAL NOTE

Before removing A5E00825002, 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	A5E00825002	Installation basis	Documented installed power-unit execution
Component type	power-block IGD drive board	Connection basis	Recorded board and host interfaces
Drive family	SINAMICS G120 PM240	Commissioning basis	Approved drive configuration and diagnostics

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens	6SE7041-8EK85-1HA0 product page	View Siemens page
Siemens	6SE7041-8EK85-0HA0 product page	View Siemens page
Siemens	6SE7041-8GK85-0HA0 product page	View Siemens page
Siemens	6RA8075-6DS22-0AA0 product page	View Siemens page
Siemens	6SL3350-6TK00-0BA0 product page	View Siemens page
Siemens	6SL3351-1AE37-5BA1 product page	View Siemens page
Siemens	6SL3352-1AE37-5BA1 product page	View Siemens page
Siemens	6SE7090-0XX84-3DB1 product page	View Siemens page

ENGINEERING BOUNDARY

Confirm A5E00825002, the complete SINAMICS G120 PM240 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 G120 PM240 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 A5E00825002 and the complete installed SINAMICS G120 PM240 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 A5E00825002, the complete SINAMICS G120 PM240 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	A5E00825002
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 A5E00825002 identity be verified before replacement?

Confirm A5E00825002 and the complete installed SINAMICS G120 PM240 power-unit record.

Q3 What isolation sequence applies before disconnecting A5E00825002?

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 A5E00825002?

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

Q7 Which diagnostics should be reviewed during A5E00825002 recommissioning?

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

Q2 Which Siemens drive family must be checked before installing A5E00825002?

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 G120 PM240 hardware instructions and the as-installed record.

Q4 Which connections should be recorded before removing A5E00825002?

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

Q6 How is the approved configuration restored after fitting A5E00825002?

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

Q8 What acceptance test is required before A5E00825002 returns to service?

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

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