

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SINAMICS G120 PM240
Part number	A5E00825002
Product role	Keeps the exact A5E00825002 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 A5E00825002, record the complete power-unit type, board position, power and control interfaces, grounding and cooling arrangement.

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INSTALLATION IDENTITY SAFEGUARDS

HOST MATCH	SINAMICS G120 PM240
ARTICLE CONTROL	Retain the complete A5E00825002 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	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

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	SINAMICS G120 PM240
Primary system role	Keeps the exact A5E00825002 board identity
Connection boundary	Before removing A5E00825002, record the complete power-unit type, board position, power and control interfaces, grounding and cooling arrangement.
Controlled acceptance duty	SINAMICS G120 PM240 power-unit service

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.

Pre-Installation Checks

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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	A5E00825002
Installed host	SINAMICS G120 PM240
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

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

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	SINAMICS G120 PM240
2	power-block IGD drive board
3	SINAMICS G120 PM240 power-unit service
4	Before removing A5E00825002, 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 G120 PM240
Interface role	Keeps the exact A5E00825002 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

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

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

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

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

MANUFACTURER SOURCE RECORD

SINAMICS G120 PM240 Power Modules Hardware Installation Manual
07/2016

Applications and Engineering Context

SINAMICS G120 PM240 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 A5E00825002, record the complete power-unit type, board position, power and control interfaces, grounding and cooling arrangement.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	A5E00825002 recorded
Host / carrier	SINAMICS G120 PM240
Physical interface	Keeps the exact A5E00825002 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 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.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	A5E00825002
Approved role	SINAMICS G120 PM240 power-unit service
Final validation	Complete controlled direction, feedback, current and motor-function tests before release.

Engineering 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.

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

MANUFACTURER SOURCE RECORD

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