

A5E00297630

SINAMICS Power-unit Service Component

Siemens A5E00297630 is a service component handled within the documented SINAMICS S120 AC Drive hardware-maintenance workflow. Its installation must be matched to the complete power-unit nameplate, hardware revision, connector arrangement and approved Siemens documentation.

BRAND	Siemens	FAMILY	SINAMICS S120 AC Drive
PART	A5E00297630	SYSTEM ROLE	Preserves the complete Siemens article identifier

APTER POWER SALES
TEAM

WHATSAPP / PHONE
+86 180 3023 5313
EMAIL sales13@apterp
ower.com
WEBSITE
www.apterpower.com



A5E00297630

MANUFACTURER SOURCE RECORD

SINAMICS S120 AC Drive Equipment Manual
Siemens manual, November 2017

Product Overview

SYSTEM FUNCTION

Siemens A5E00297630 is a service component handled within the documented SINAMICS S120 AC Drive hardware-maintenance workflow. Its installation must be matched to the complete power-unit nameplate, hardware revision, connector arrangement and approved Siemens documentation.

FUNCTION 1

Preserves the complete Siemens article identifier

FUNCTION 2

Supports a documented SINAMICS power-unit service boundary

FUNCTION 3

Requires controlled DC-link isolation and discharge

FUNCTION 4

Returns to service only after connection and diagnostic verification

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	SINAMICS S120 AC Drive
Primary interface	Preserves the complete Siemens article identifier
Engineering context	Match A5E00297630 to the installed SINAMICS power unit and approved maintenance record. Follow the Siemens manual for isolation, DC-link discharge, connections, grounding, cooling and recommissioning.
Commissioning duty	Energize in stages and verify power-unit diagnostics before enabling the motor.

TECHNICAL NOTE

Isolate the complete drive supply and prove the DC link discharged before installing A5E00297630. Record the host revision and all power, control, cooling and protective-conductor connections; complete staged diagnostics before motor operation.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Article identifier	A5E00297630	Service context	Drive power-unit maintenance
Manufacturer	Siemens	Configuration boundary	Installed system record
System documentation	SINAMICS S120 AC Drive		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6RA8075-6DS22-0AA0	DC converter	View 6RA8075-6DS22-0AA0 page
6ES7314-6BH04-0AB0	S7-300 CPU	View 6ES7314-6BH04-0AB0 page
6ES7223-1BL22-0XA0	S7-200 I/O	View 6ES7223-1BL22-0XA0 page
6AU1455-2AD00-0AA0	SIMOTION controller	View 6AU1455-2AD00-0AA0 page
6SL3120-2TE21-0AA4	motor module	View 6SL3120-2TE21-0AA4 page
6SL3320-1TE33-1AA3	motor module	View 6SL3320-1TE33-1AA3 page
6SL3362-0AG00-0AA1	drive component	View 6SL3362-0AG00-0AA1 page
6SL3352-1AE37-5BA1	replacement power block	View 6SL3352-1AE37-5BA1 page

ENGINEERING BOUNDARY

Confirm A5E00297630, host power-unit designation, hardware revision, power and control interfaces, DC-link discharge, grounding, cooling, firmware, parameter backup and controlled diagnostic results before commissioning.

Applications and Precautions

Common Applications

SINAMICS power-unit repair

Supports an article-controlled service operation in the matching drive cabinet.

Drive cabinet refurbishment

Provides an exact reference for documenting removed and installed power hardware.

Power-stage connection restoration

Guides controlled recovery of busbar, gate, sensor and protective-conductor interfaces.

Post-repair recommissioning

Supports staged diagnostics and motor-enable checks after approved maintenance.

Product Precautions

- 1

Confirm the complete A5E00297630 marking and the installed SINAMICS power-unit nameplate.
- 2

Isolate incoming power, lock out the drive and prove the DC link discharged.
- 3

Record every busbar, semiconductor, gate-drive, sensor and cooling connection.
- 4

Use ESD controls and protect all control connectors and insulation surfaces.
- 5

Match hardware revision, connector coding and mechanical interfaces to the as-found assembly.
- 6

Restore protective grounding, shielding, cooling paths and cabinet clearances.
- 7

Reload only the approved drive project, firmware and parameter backup.
- 8

Energize in stages and verify power-unit diagnostics before enabling the motor.

IMPORTANT NOTICE

Confirm A5E00297630, host power-unit designation, hardware revision, power and control interfaces, DC-link discharge, grounding, cooling, firmware, parameter backup and controlled diagnostic results before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	A5E00297630
Configuration	Reload only the approved drive project, firmware and parameter backup.
Functional release	Energize in stages and verify power-unit diagnostics before enabling the motor.

Engineer FAQ

Q1 What exact function does A5E00297630 perform as a SINAMICS Power-unit Service Component?

It is handled as an article-specific Siemens service component within the documented SINAMICS power-unit maintenance boundary; no unmatched numerical ratings are assigned.

Q3 Which connection checks are required for A5E00297630?

Match all power, busbar, gate-drive, sensor, protective-earth and cooling interfaces to the recorded host assembly.

Q5 Which diagnostic evidence should be reviewed for A5E00297630?

Review DC-link, power-unit, gate-drive, temperature, cooling and communication diagnostics before motor enable.

Q7 How should A5E00297630 be commissioned after installation?

Energize the power unit in the Siemens commissioning sequence, verify diagnostics and perform a controlled no-load test.

Q2 Which host system must be confirmed before installing A5E00297630?

Confirm the documented SINAMICS S120 AC Drive host and the complete A5E00297630 marking before work.

Q4 How should the installed configuration for A5E00297630 be preserved?

Restore only the approved SINAMICS project, firmware and parameter set associated with the installed power unit.

Q6 What must be recorded before replacing A5E00297630?

Record the complete article and host nameplates, hardware revisions, connection photographs, removed-part identity and parameter backup.

Q8 Which model-specific limitation applies to A5E00297630?

The official system manuals do not permit ratings to be inferred from the A5E identifier alone; the installed nameplate remains the acceptance boundary.

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