

AMIKON TECHNICAL DOCUMENTATION

Installation Reference

Siemens A5E00296878 Isolation driver board

Qualified drive-service personnel and controlled documentation required

DOCUMENTATION REFERENCE

A5E00296878

SINAMICS power electronics
SIEMENS

SAFETY AND SCOPE

Use A5E00296878 only in the documented SINAMICS power electronics arrangement. Isolate hazardous energy, observe the Siemens discharge time, use ESD controls, and follow the approved site procedure.

01

IDENTITY CHECK BEFORE WORK

Complete identifier	A5E00296878
Product family	SINAMICS power electronics
Component class	Isolation driver board
Electrical class	24 V DC control input
Installed section	Power-block interface
Connections	Two gate channels and voltage feedback

02

BEFORE REMOVAL

- Confirm the exact A5E00296878 article, board revision, section position and controlled drawing.
- Complete the site's lockout, isolation, discharge and absence-of-voltage verification procedure.
- Photograph and label two gate channels and voltage feedback, cable routing, grounding and adjacent assemblies.
- Protect the assembly from electrostatic discharge, contamination, impact and connector damage.

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03

MODEL-SPECIFIC INSTALLATION WORKFLOW

1

CONFIRM SCOPE

Verify A5E00296878, the power-block interface, revision and controlled drawing before work.

2

ISOLATE

Apply the site safety procedure for 24 V DC control input and prove the drive is safe to handle.

3

DOCUMENT

Record two gate channels and voltage feedback, connector keys, cable labels, grounding and mechanical position.

4

REMOVE

Use ESD protection and the Siemens service procedure; support the Isolation driver board and do not force plugs.

5

COMPARE

Match the replacement article, 1900 A module class, interfaces and mechanical design.

6

INSTALL

Seat the assembly evenly, restore documented connections, shields, earth paths and cooling provisions.

7

COMMISSION

Test isolation and both gate channels. Review diagnostics before releasing the affected drive function.

OFFICIAL DOCUMENT APPLICABILITY

Siemens manufacturer documentation; selected PDF pages 15, 21, 124 supports the family-level safety, connection and commissioning checks used here. Confirm that its documented hardware arrangement applies to the installed A5E00296878 before work.

04

PRE-ENERGIZATION AND HANDOVER CHECKLIST

Identifier	Exact A5E00296878 article and product-family identity match the approved replacement record
Mechanical	Isolated driver board is correctly seated, retained and free from transport damage
Connections	Two gate channels and voltage feedback and protective-earth paths match the removal record
Electrical	24 V DC control input and 1900 A module class agree with the installed drive section
Configuration	Required parameters, firmware conditions and controlled project settings are approved
Commissioning	Test isolation and both gate channels
Records	Photos, article number, revision, diagnostics and test results are retained in the maintenance record

05

OFFICIAL REFERENCE AND LIMITATIONS

SIEMENS MANUFACTURER REFERENCE

Siemens manufacturer documentation; selected PDF pages 15, 21, 124

Use only where the official family, installed section and exact A5E00296878 configuration agree. Terminal functions, firmware compatibility, torque values and final acceptance criteria must come from the applicable Siemens manual or controlled project documentation.

DO NOT INFER MISSING SPECIFICATIONS

Do not infer undocumented connector functions, electrical ratings, parameter compatibility, cooling requirements or commissioning limits from appearance or a partial article number.

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