

AMIKON TECHNICAL DOCUMENTATION

Installation Reference

Siemens 6SL3225-0BE25-5AA1 PM250 power module

Qualified drive-service personnel and controlled documentation required

DOCUMENTATION REFERENCE

6SL3225-0BE25-5AA1

SINAMICS G120

SIEMENS

SAFETY AND SCOPE

Use 6SL3225-0BE25-5AA1 only in the documented SINAMICS G120 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	6SL3225-0BE25-5AA1
Product family	SINAMICS G120
Component class	PM250 power module
Electrical class	380–480 V AC
Installed section	5.5 kW IEC / 7.5 kW HO
Connections	Motor, line and Control Unit interfaces

02

BEFORE REMOVAL

- Confirm the exact 6SL3225-0BE25-5AA1 article, board revision, section position and controlled drawing.
- Complete the site's lockout, isolation, discharge and absence-of-voltage verification procedure.
- Photograph and label motor, line and control unit interfaces, 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 6SL3225-0BE25-5AA1, the 5.5 kw iec / 7.5 kw ho, revision and controlled drawing before work.

2

ISOLATE

Apply the site safety procedure for 380–480 V AC and prove the drive is safe to handle.

3

DOCUMENT

Record motor, line and control unit interfaces, connector keys, cable labels, grounding and mechanical position.

4

REMOVE

Use ESD protection and the Siemens service procedure; support the PM250 power module and do not force plugs.

5

COMPARE

Match the replacement article, 18 A output, interfaces and mechanical design.

6

INSTALL

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

7

COMMISSION

Test regeneration and motor current. Review diagnostics before releasing the affected drive function.

OFFICIAL DOCUMENT APPLICABILITY

No directly applicable Siemens installation PDF was available for 6SL3225-0BE25-5AA1. Use the controlled project documentation and obtain Siemens confirmation for any unresolved hardware or firmware condition.

04

PRE-ENERGIZATION AND HANDOVER CHECKLIST

Identifier	Exact 6SL3225-0BE25-5AA1 article and product-family identity match the approved replacement record
Mechanical	Compact power module is correctly seated, retained and free from transport damage
Connections	Motor, line and Control Unit interfaces and protective-earth paths match the removal record
Electrical	380–480 V AC and 18 A output agree with the installed drive section
Configuration	Required parameters, firmware conditions and controlled project settings are approved
Commissioning	Test regeneration and motor current
Records	Photos, article number, revision, diagnostics and test results are retained in the maintenance record

05

OFFICIAL REFERENCE AND LIMITATIONS

SIEMENS MANUFACTURER REFERENCE

Siemens product-family documentation and controlled site records

Use only where the official family, installed section and exact 6SL3225-0BE25-5AA1 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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