

6SL3130-7TE21-6AA4

SINAMICS S120 Active Line Module

CONTROLLED ENGINEERING COPY

Siemens 6SL3130-7TE21-6AA4 is a 16 kW SINAMICS S120 Active Line Module for regenerative infeed. It accepts a 380–480 V three-phase supply and provides a 600 V DC link rated 27 A.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6SL3130-7TE21-6AA4
Manufacturer	Siemens
System family	SINAMICS S120 Booksize drive system
Record scope	Installation, application and verification

1

PLAN

2

ISOLATE

3

CONNECT

4

CONFIGURE

5

TEST

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01 PRE-INSTALLATION PLAN

1

Confirm the complete 6SL3130-7TE21-6AA4 marking, SINAMICS S120 Active Line Module designation and the recorded installation position.

2

Place the drive, motor and connected process in the approved maintenance state.

3

Isolate incoming and auxiliary power, prove stored DC-link energy discharged and use ESD controls.

4

Record every power, signal, feedback, communication, shielding and protective-earth connection before removal.

5

Verify the installed host and all official values documented for 6SL3130-7TE21-6AA4; do not infer adjacent executions.

MATCHED HARDWARE

- 6SL3130-7TE21-6AA4 with complete article identity
- matched S120 Booksize infeed position
- Documented power, signal and feedback interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6SL3130-7TE21-6AA4 recorded
Physical interface	Installed power, signal, feedback and communication interfaces matched to the as-found record
Configuration	Approved hardware, firmware and parameter or project configuration restored
Functional proof	Controlled test confirms regenerative infeed and DC-link supply

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Module type	Active Line Module
Construction	Booksize
Input supply	3 AC 380–480 V, 50/60 Hz
Permitted line voltage	342–528 V
Permitted line frequency	47–63 Hz
Rated infeed power	16 kW
S6 power	21 kW
Maximum power	35 kW
DC-link output	600 V DC, 27 A
S6 DC-link current	35 A
Maximum DC-link current	59 A
Rated input current	26 A at 380 V; 25 A at 400 V; 21 A at 480 V
Short-circuit strength	65 kA

RELATED PRODUCT PAGES

1

[Siemens 6RA8075-6DS22-0AA0](#)

2

[Siemens 6RY1243-0EA00](#)

3

[Siemens 6SE7027-2TD84-6HF3](#)

4

[Siemens 6RY1803-0AA25-0AA1](#)

5

[Siemens 6SE7035-1EJ84-1JC1](#)

6

[Siemens 6SE7041-8HK85-1HA0](#)

7

[Siemens 6SE7041-8EK85-0HA0](#)

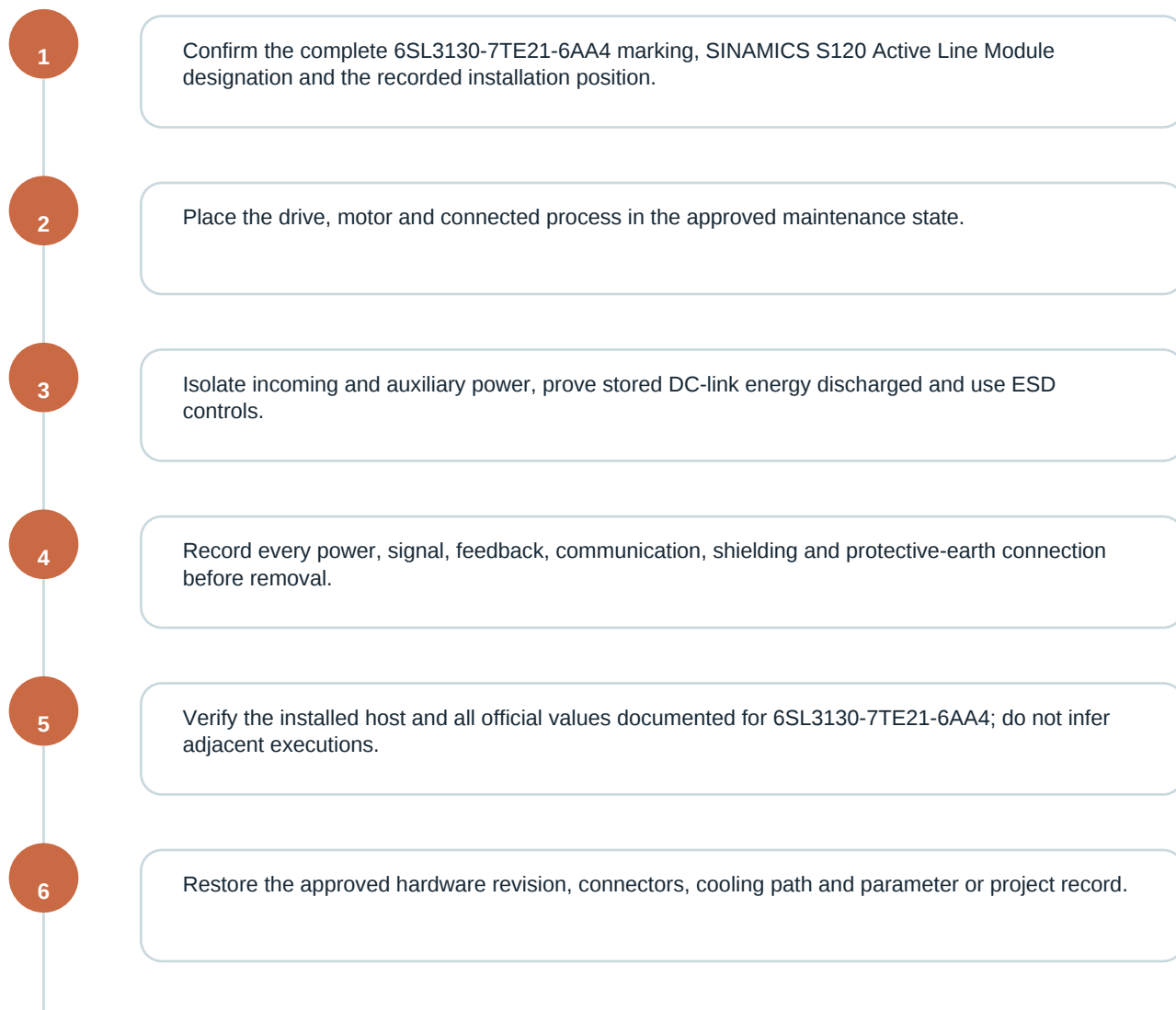
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[Siemens 6SE7041-8GK85-0HA0](#)

FIELD NOTE

Confirm 6SL3130-7TE21-6AA4, the complete SINAMICS S120 Booksize drive system host, hardware revision, installed position, terminals, connectors, stored-energy state, protective earth, shielding, cooling, firmware or parameter record, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6SL3130-7TE21-6AA4
Physical interface	Installed power, signal, feedback and communication interfaces matched to the as-found record
Configuration	Approved hardware, firmware and parameter or project configuration restored
Functional proof	Controlled test confirms regenerative infeed and DC-link supply

04 RETURN-TO-SERVICE RECORD

- ☐ Verify the installed host and all official values documented for 6SL3130-7TE21-6AA4; do not infer adjacent executions.
- ☐ Restore the approved hardware revision, connectors, cooling path and parameter or project record.
- ☐ Energize in the manufacturer sequence and review drive, module and communication diagnostics.
- ☐ Complete controlled interlock, feedback and safe-point functional tests before service release.

VERIFICATION RECORD

PRODUCT IDENTITY	6SL3130-7TE21-6AA4
INSTALLED POSITION	matched S120 Booksize infeed position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify the installed host and all official values documented for 6SL3130-7TE21-6AA4; do not infer adjacent executions.
- ☐ Restore the approved hardware revision, connectors, cooling path and parameter or project record.
- ☐ Energize in the manufacturer sequence and review drive, module and communication diagnostics.
- ☐ Complete controlled interlock, feedback and safe-point functional tests before service release.

SOURCE IDENTIFIERS

Siemens SINAMICS S120 Active Line Module product data and equipment manual | Siemens official product and family documentation, accessed 24 September 2026