

Installation Instructions

6SL3200-0SP06-0AA0

G120X power supply board

SINAMICS G120X drives

Before work begins

- 01 Confirm the exact 6SL3200-0SP06-0AA0 article number and installed power-section position.
- 02 Place the drive in a safe state, isolate all energy sources and wait the Siemens discharge time.
- 03 Record busbars, connectors, gate leads, cooling connections and protective-earth conductors.
- 04 Use ESD controls and qualified drive-service personnel throughout the replacement.

Model-specific connection checks

Component Class	G120X power supply board
Drive Family	SINAMICS G120X drives
Primary Function	Powers inverter control electronics
Power Architecture	4R53 internal supply stage
Voltage Class	G120X frame-specific class
Current Rating	Auxiliary power-board rating
Control Supply	Internal DC supply rails
Power Section	Power supply board section
Mechanical Design	Plug-in PSB assembly
Electrical Interface	Internal low-voltage connectors

Installation sequence

- Inspect the replacement for transport damage, contamination, bent pins and altered keying.
- Install without forcing connectors or busbars; restore all shields, grounds and cooling seals.
- Torque power connections and secure cable supports under the applicable Siemens procedure.

Commissioning and return to service

- 01 Verify all supply rails before start.
- 02 Check insulation and protective-earth continuity before energising..
- 03 Restore auxiliary and main power in the approved sequence..
- 04 Observe interface, control-unit and power-section diagnostics..
- 05 Test the connected motor or DC-drive function at a controlled operating point..
- 06 Record the final article number, test results and maintenance approval..

This AMIKON installation reference supplements the applicable Siemens controlled documentation and the site safety procedure.
Warranty: 12 months from AMIKON.