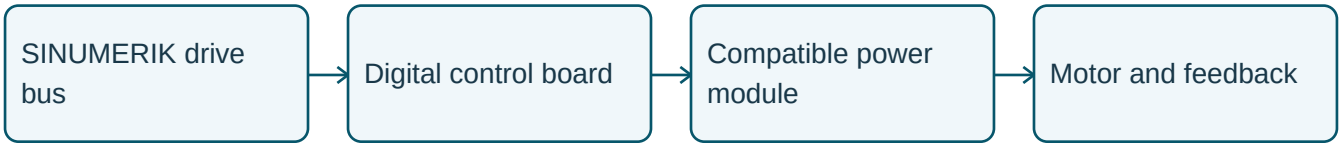
6SN1118-0DK23-0AA2

01 / System identity and preparation

Siemens 6SN1118-0DK23-0AA2 is a two-axis High Performance control-loop board for SIMODRIVE 611 digital. The board handles the digital control function within a matched converter arrangement; the motor power stage and infeed remain separate components. Its exact execution supports sin/cos 1 Vpp feedback and a direct measuring system, so selection must consider both motor feedback and any direct position feedback installed on the machine.



Preparation priorities

Board and software	Match the full control-board order code and NC/drive software levels.
Power-stage relationship	Verify the power module, infeed and axis allocation in the installed SIMODRIVE group.

Guide boundary

This Apter Power guide organizes preparation and acceptance checks. Apply the manufacturer instructions and approved site procedure for detailed wiring, mounting, configuration and functional testing.

Application boundary

The exact order code is a two-axis High Performance execution. Family-level encoder and commissioning functions require the matching NC software, feedback devices and power-module configuration.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Configuration review before service

Board and software	Match the full control-board order code and NC/drive software levels.
Power-stage relationship	Verify the power module, infeed and axis allocation in the installed SIMODRIVE group.
Feedback	Record the motor encoder and direct measuring-system identity, signal type and connections.
Motion validation	Restore verified parameters and test axis behavior under the approved commissioning procedure.

Match the full board code

Retain the complete 0DK23-0AA2 execution and hardware markings when checking compatibility.

Check NC software

Verify the required NC software level and the matching drive software before commissioning.

Configured system behavior

During power-on or reset, the drive software is transferred from the SINUMERIK 840D to the control board over the drive bus. The exact order-code configuration requires NC software from 06.04.09. The High Performance two-axis family supports sinusoidal measuring signals and applicable absolute-encoder arrangements, but encoder selection and software capability must be checked together rather than inferred from the mechanical fit of a connector.

Mismatch decision

Resolve a different catalog marking, interface, software requirement or installed configuration before proceeding. Physical similarity alone does not establish an approved replacement.

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03 / Hardware and interface checks

Match feedback signals

Check sin/cos signal compatibility and the direct measuring-system connection independently.

Verify the power module

The control board is separate from the motor power stage. Match both components and axis allocation.

Key hardware references

Axis count	2
Control interface	Digital drive-bus interface
Feedback signal	Sin/cos 1 Vpp
Direct measuring system	Supported by this execution

Configuration and service context

A two-axis digital control can also be engineered for a one-axis application in a suitable one-axis power module. This is a configuration choice, not a change of board identity. When replacing the board, preserve the drive software and parameter records, identify both feedback paths and verify the matching power module. Commissioning must then establish the correct axis assignment, feedback direction and controlled motor response within the approved machine procedure.

Preserve the connection record

Photograph and label the affected connections before disconnection. Retain the original routing, module positions and identification with the work order, and compare the restored installation against that record.

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04 / Commissioning and diagnostic decisions

Preserve drive parameters

Save the machine drive configuration and verified parameter set before removing the board.

Control initial motion

Use the approved machine commissioning procedure to validate feedback direction and axis response.

Acceptance checkpoints

Before energization	Verify the power module, infeed and axis allocation in the installed SIMODRIVE group.
Configuration review	Record the motor encoder and direct measuring-system identity, signal type and connections.
Functional release	Restore verified parameters and test axis behavior under the approved commissioning procedure.

Which records are needed when replacing 6SN1118-0DK23-0AA2?

Preserve the drive parameters, NC and drive software identities, motor and feedback assignments, and the compatible power-module information.

Abnormal result

If diagnostics, communication or functional response differ from the approved baseline, stop the release and resolve the configuration or installation issue. Do not bypass an interlock or protective function to obtain a passing test.

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05 / Service record and technical references

Lifecycle and support

The manufacturer lifecycle phase is Product Cancellation. The item is handled as a spare part; assess the installed drive configuration before selecting a service replacement.

Technical basis

Siemens SIMODRIVE 611 Configuration Manual, 10/2014; Siemens 6SN1118-0DK23-0AA2 product information.

Applicability

The exact order code is a two-axis High Performance execution. Family-level encoder and commissioning functions require the matching NC software, feedback devices and power-module configuration.

Related portfolio references

Siemens 6SN1123-1AA00-0EA2

Siemens 6SN1123-1AA00-0DA0

Siemens 6SN1123-1AA00-0JA1

Siemens 6SN1145-1BB00-0FA1

Navigation only. These listings are not confirmed replacements, compatible accessories or included items.

Handover record

Retain the complete fitted marking, hardware/software revision where applicable, connection record and accepted test results. Confirm separate accessories and documents in the quotation.

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