6SN1118-0DK23-0AA2

01 / Product identity and control context

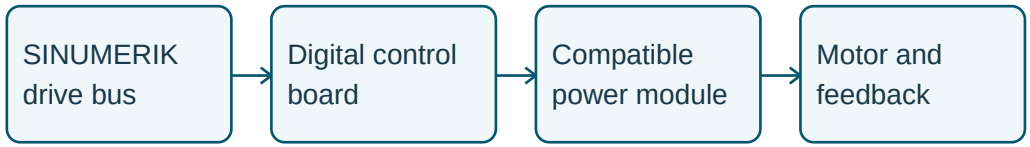
Drive Control Board

Siemens 6SN1118-0DK23-0AA2 is a SIMODRIVE 611 digital High Performance two-axis control board with sin/cos 1 Vpp feedback and direct measuring-system support.

Key characteristics

Product type	SIMODRIVE 611 digital control board
Axis configuration	High Performance, two axes
Feedback	Sin/cos 1 Vpp and direct measuring system

Functional relationship



Board and software

Match the full control-board order code and NC/drive software levels.

Configuration 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.

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02 / Technical characteristics

Hardware and functional data

Product series	SIMODRIVE 611 digital
Control class	High Performance
Axis count	2
Control interface	Digital drive-bus interface
Feedback signal	Sin/cos 1 Vpp

Interfaces and operating conditions

Direct measuring system	Supported by this execution
Required NC software	From 06.04.09
Drive-software loading	From SINUMERIK 840D during initialization
Single-axis application	Possible with a suitable power module and one-axis engineering

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03 / Application and integration contexts

Two-axis machine control

Provide digital closed-loop control for the configured axes in a SIMODRIVE 611 arrangement. Match the individual motor and feedback assignments.

Direct position feedback

Integrate the compatible direct measuring system for the axis position loop. Verify the signal interface and machine configuration.

Power-stage relationship

Verify the power module, infeed and axis allocation in the installed SIMODRIVE group.

Drive commissioning

Load the applicable drive software and restore the verified parameter set through the supported SINUMERIK commissioning workflow.

Single-axis engineering

Use the two-axis control in a suitable single-axis power module only when the application is engineered as a one-axis arrangement.

Feedback

Record the motor encoder and direct measuring-system identity, signal type and connections.

04 / Installation and release decisions

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.

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.

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.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

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.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

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

Related product references

Siemens 6SN1123-1AA00-0EA2

Siemens 6SN1123-1AA00-0DA0

Siemens 6SN1123-1AA00-0JA1

Siemens 6SN1145-1BB00-0FA1

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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