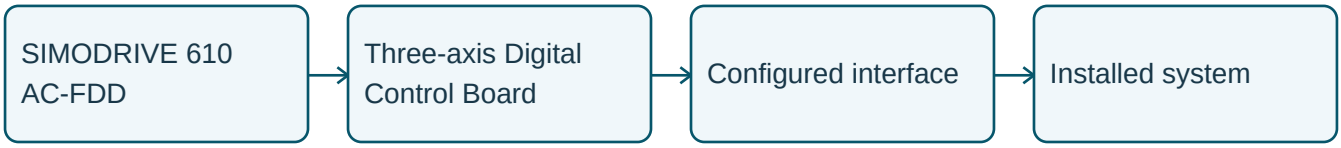
6SC6100-0ND20

01 / System identity and preparation

Siemens 6SC6100-0ND20 is a three-axis digital control board for SIMODRIVE 610 AC-FDD. It provides the control-board function within the legacy drive arrangement. The board is a component of the configured drive system; the complete axis installation also depends on its matching power hardware, motor connections and machine control configuration.



Preparation priorities

Board identity	Match 6SC6100-0ND20, its revision and connector arrangement against the installed control board.
Drive relationship	Use the board within the matching SIMODRIVE 610 AC-FDD power and machine-control arrangement.

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

These facts identify the exact three-axis control-board execution. Motor power ratings and machine-specific drive settings belong to the installed drive configuration.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Configuration review before service

Board identity	Match 6SC6100-0ND20, its revision and connector arrangement against the installed control board.
Drive relationship	Use the board within the matching SIMODRIVE 610 AC-FDD power and machine-control arrangement.
Axis assignment	Preserve the existing three-axis wiring allocation, drive settings and machine parameter record.
Service validation	Validate the affected axes under the approved machine commissioning procedure after replacement.

Board identity

Match 6SC6100-0ND20, its revision and connector arrangement against the installed control board.

Drive relationship

Use the board within the matching SIMODRIVE 610 AC-FDD power and machine-control arrangement.

Configured system behavior

The three-axis designation identifies this board execution and must remain part of the replacement assessment. Record the complete 6SC6100-0ND20 marking, fitted board revision and the original connector positions. A digital control board with a similar appearance or a different SIMODRIVE family name does not establish an equivalent electrical or software interface.

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

Axis assignment

Preserve the existing three-axis wiring allocation, drive settings and machine parameter record.

Service validation

Validate the affected axes under the approved machine commissioning procedure after replacement.

Key hardware references

Control execution	Digital
Component type	APCB control board

Configuration and service context

For service planning, retain the existing drive parameter records and the machine-specific axis allocation before removal. Compare the offered board with the fitted unit and the approved drive documentation, then verify each affected axis through the machine commissioning procedure. Migration to another drive generation requires a system-level engineering assessment rather than a board-only substitution.

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

Protect the hardware

Use the applicable isolation and electrostatic-discharge controls. Preserve connectors, identification and mechanical retention during handling.

Verify the restored function

Apply the approved site acceptance procedure and compare actual behavior with the recorded system configuration before returning equipment to service.

Acceptance checkpoints

Before energization	Use the board within the matching SIMODRIVE 610 AC-FDD power and machine-control arrangement.
Configuration review	Preserve the existing three-axis wiring allocation, drive settings and machine parameter record.
Functional release	Validate the affected axes under the approved machine commissioning procedure after replacement.

Does the control-board designation of 6SC6100-0ND20 establish motor power ratings?

No. Motor and power-stage ratings must be taken from the actual connected equipment and its applicable documentation.

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 Discontinuation. SIMODRIVE 610 service and any migration require the installed drive configuration to be reviewed.

Technical basis

Siemens 6SC6100-0ND20 product information.

Applicability

These facts identify the exact three-axis control-board execution. Motor power ratings and machine-specific drive settings belong to the installed drive configuration.

Related portfolio references

Siemens 6FC5370-4AM20-0AA0

Siemens 6FC5370-8AA20-0AA0

Siemens 6DD1660-0BJ0

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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