Product role and integration

ABB / SNAT7261QCP

ABB SNAT7261QCP

ABB SNAT7261QCP is a marked SNAT 7261 main-circuit interface card for legacy SAMI GS drive service. Match its complete revision marking to the installed assembly.

Converter power / feedback — SNAT 7261 base-design A3 — Motor-control / gate paths

Installed-system role

ABB SNAT7261QCP belongs to the SNAT 7261 main-circuit interface design used inside legacy SAMI GS converters. Its board revision and matching-card arrangement are part of the installed-drive identity.

Supply boundary

Confirm the complete SNAT7261QCP label, actual board/assembly markings, connectors and matching-card scope. The offered unit is New, original product.

Configuration context

In the SNAT 7261 base design, the main-circuit interface carries power-supply, transistor gate-trigger, DC-voltage and motor-current measurement circuits. These are converter functions, distinct from the operator control-interface card.

Technical scope

Functional descriptions apply to the SNAT 7261 base design. Retain the complete QCP identity and determine electrical and replacement suitability from the actual converter configuration.

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Technical capability map

ABB / SNAT7261QCP

Parameter	Value
Manufacturer	ABB
Complete type marking	SNAT7261QCP
Base-design designation	SNAT 7261 INT
Base-design platform	SAMI GS ACS 502-506
Base-design component position	A3 main circuit interface
Base-design supply function	Power-supply circuits

Parameter	Value
Base-design switching interface	Transistor gate-trigger circuits
Base-design voltage measurement	DC-link voltage measurement circuits
Base-design current measurement	Motor-current measurement circuits
Matching-card relationship	Separate A7 card; power-range programming
Control-interface relationship	Separate from SNAT 7600/7640 control interface
Revision identity	Retain the complete QCP marking

Functional descriptions apply to the SNAT 7261 base design. Retain the complete QCP identity and determine electrical and replacement suitability from the actual converter configuration.

Base-design relationship

SNAT 7261 INT provides the converter main-circuit interface functions. Keep the complete SNAT7261QCP identity and the separate A7 matching-card arrangement with the drive record.

Service boundary

Electrical ratings and interchangeability follow the actual converter and approved assembly. Isolate and verify stored energy before board handling.

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Applications and engineering precautions

ABB / SNAT7261QCP

Converter interface restoration

Restore the documented A3 main-circuit interface function in the appropriate installed SAMI GS converter. Compare the full board marking and drive records before replacement.

Gate-trigger circuit service

The SNAT 7261 base design includes transistor gate-trigger circuits. Investigate the complete inverter path under the applicable isolated service procedure.

DC-link measurement diagnosis

Use the converter diagnostic procedure when checking the base-design DC-voltage measurement path. Do not treat the board as an independent user-calibrated voltage transmitter.

Motor-current feedback service

The base design includes motor-current measurement circuits and works with the converter current transducers. Check the whole feedback path when investigating a measurement fault.

Precaution	Engineering check
Match the full revision	Compare SNAT7261QCP with the actual installed label and assembly records. Do not reduce the selection to SNAT 7261 or infer equivalence from appearance.
Retain the matching card	Identify the separate A7 power-range programming card and preserve its relationship to the installed converter hardware.
Isolate stored energy	Use the ABB converter safety procedure and verify the DC-link condition before touching boards. Account for external control supplies and unintended motor motion.
Keep interface roles distinct	Do not interchange the A3 main-circuit interface with the separate control-interface, motor-control or input-protection card.
Use the actual voltage variant	Confirm the converter type and nameplate. The SAMI GS manual identifies a different main-interface type for 600 V units; do not assign that rating to QCP by inference.
Test the complete converter	Recheck connections, gate-trigger and measurement behavior through the installed-drive commissioning procedure before releasing the machine.

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Exact-model engineering questions

ABB / SNAT7261QCP

What role does the SNAT 7261 base design give SNAT7261QCP?

The documented SNAT 7261 INT is the A3 main-circuit interface card in a SAMI GS converter. The complete QCP marking remains part of the offered board identity and must be compared with the installed assembly.

Which circuits are described for the base design of SNAT7261QCP?

ABB describes power-supply, transistor gate-trigger, DC-voltage measurement and motor-current measurement circuits on SNAT 7261 INT. These are base-design functions, rather than independently established QCP electrical ratings.

Is SNAT7261QCP the same function as the SNAT 7600/7640 control interface?

No. The main-circuit interface is a converter-module function. The SNAT 7600/7640 control interface is a separate card associated with the display, keypad and control connections.

Why should the A7 matching card be checked when replacing SNAT7261QCP?

The separate A7 matching card carries power-range programming information for the converter hardware. Retain the installed matching-card arrangement and confirm its identity during main-board service.

Can a 600 V rating be assumed from the appearance of SNAT7261QCP?

No. The SAMI GS manual distinguishes SNAT 7261 INT from SNAT 7266 INT used for 600 V units. Confirm the actual drive voltage and approved board arrangement; appearance and the QCP suffix do not establish a voltage rating.

Does SNAT7261QCP alone perform motor-current sensing?

The SNAT 7261 design includes motor-current measurement circuits, while the converter also uses separate current transducers. Fault diagnosis must include the transducers, wiring and receiving circuits.

How should the marking on SNAT7261QCP be retained for service?

Record the complete board type, revision marking, serial or assembly information and matching-card identity with the converter record. Keep the QCP suffix intact when comparing a replacement.

What must be verified before touching SNAT7261QCP inside a converter?

Follow the applicable ABB isolation procedure, verify the DC-link energy condition and account for external control supplies. Board removal is a converter service operation and should be performed by qualified personnel under the site procedure.

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Lifecycle, verification and portfolio

ABB / SNAT7261QCP

Manufacturer lifecycle context

A current manufacturer lifecycle-phase declaration for this complete board marking has not been confirmed. The legacy SAMI GS manuals describe the SNAT 7261 design and do not establish a present manufacturing or support phase for QCP.

Support boundary

Apter Power availability and condition are separate from the manufacturer lifecycle phase. A proposed replacement requires an installed-configuration check; a related board number is not a declaration of interchangeability.

Commissioning focus

Compare full board marking and converter record. Check main-interface connectors against the actual converter drawing.

Release criterion

Run the approved converter functional checks after restoration. Motor and protection behavior meet the site acceptance procedure.

Technical references

SAMI GS Frequency Converters ACS 502-506 User's Manual, EN 58424714 B, 1995-03-28.

Related ABB portfolio references

Independent catalogue references; these links do not establish compatibility, substitution or endorsement.

Complete product reference	Navigation
ABB SNAT7600	View ABB SNAT7600
ABB SNAT7640 SNAT 7640 3BSE003195R1	View ABB SNAT7640 SNAT 7640 3BSE003195R1
ABB SDCS-PIN-4B 3ADT316300R1510	View ABB SDCS-PIN-4B 3ADT316300R1510
ABB SDCS-COM-5 3BSE006567R1	View ABB SDCS-COM-5 3BSE006567R1

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