SNAT631PAC SNAT 631 PAC

Legacy Drive Controller Board

ABB SNAT631PAC SNAT 631 PAC Legacy Drive Controller Board with exact-model technical data, controlled replacement guidance and product-specific verification records.

SNAT631PAC SNAT 631 PAC configuration dashboard

Drive-control processing

The board participates in the installed regulator and firing/control path rather than acting as stand-alone I/O.

Revision-sensitive backplane fit

Board revision, connector pattern and drive-rack execution must match together.

Parameter-preserving service

Drive setup and application records are protected before the controller board is exchanged.

Exact order-code identity

Complete product reference	SNAT631PAC SNAT 631 PAC
Product type	Legacy Drive Controller Board
System platform	ABB legacy drive control system
Board designation	SNAT631PAC
Printed designation	SNAT 631 PAC
Product class	Drive controller board
Installation format	Plug-in circuit board
System boundary	Installed ABB drive rack

SNAT631PAC, also printed as SNAT 631 PAC, is an ABB legacy drive controller board. Its electrical ratings belong to the complete installed drive execution and are confirmed from the drive nameplate and approved configuration.

Legacy Drive Controller Board technical capability map

Revision boundary	All suffix and board-revision markings
Configuration boundary	Drive parameters and application records
Replacement basis	Complete marking, revision and connector layout
Replacement basis	Complete marking and installed-system evidence

Connector boundary	Backplane and front-board interfaces
Handling requirement	ESD-controlled board handling
Commissioning basis	Drive diagnostics and controlled motor test

Installed signal or connection path

Field signal > **Termination block** > **SNAT631PAC SNAT 631 PAC** > **LocalBus** > **Control strategy**

System interpretation boundary

Its compatibility boundary is the complete board marking, revision, backplane connector, drive rack and application configuration. Photograph both board faces and every label before approval.

After ESD-controlled replacement, verify power rails, board indicators and drive diagnostics before enabling the motor. Restore parameters and complete a controlled functional test.

Application fit decisions for SNAT631PAC SNAT 631 PAC

Legacy ABB drive service

Restore the exact controller-board execution in the original rack.

Board-level fault isolation

Compare supply rails, backplane, diagnostics and companion boards.

Parameter-controlled exchange

Protect and restore the installed drive configuration.

Installed-base spare matching

Use complete markings and board photographs, not SNAT family similarity.

Engineering decision matrix

How should the installed drive rack be matched to SNAT631PAC SNAT 631 PAC?	Compare the complete board marking, revision, backplane connector pattern, slot and adjacent boards before approval.

Which drive parameters should be protected before replacing SNAT631PAC SNAT 631 PAC?	Back up the regulator, motor, speed-reference, limit, interlock and application parameters with their software version.
How should companion boards be documented for SNAT631PAC SNAT 631 PAC?	Photograph both board faces and record the neighboring power, interface and firing or control boards that define the rack execution.
What power checks should precede startup of SNAT631PAC SNAT 631 PAC?	With the power stage safely isolated, verify board supply rails, connector seating and absence of visible damage before enabling control power.

Applications must be evaluated against the exact installed machine drawing, target, companion hardware and receiving channel. Related product references do not imply substitution.

SNAT631PAC SNAT 631 PAC service controls and maintenance logic

Photograph both board faces

Retain every SNAT marking, revision and connector detail.

Back up drive parameters

Save motor, regulator, limit and interlock settings.

Control ESD exposure

Use grounded handling and antistatic packaging.

Inspect the backplane

Check slot, connector condition and adjacent boards.

Apply control power first

Verify supplies, indicators and diagnostics before motor enable.

Run a controlled motor test

Prove command response and interlocks under the approved procedure.

Additional technical questions

What ESD precautions apply when handling SNAT631PAC SNAT 631 PAC?	Use grounded ESD controls, handle the board by its edges and protect backplane and front connectors from contamination or bending.
How can a startup fault after installing SNAT631PAC SNAT 631 PAC be isolated?	Compare board indicators and drive diagnostics with the retained baseline, then separate supply, backplane, parameter and companion-board causes.
When may the motor be enabled after replacing SNAT631PAC SNAT 631 PAC?	Only after control-power diagnostics, interlocks and parameter restoration pass; begin with a controlled uncoupled or low-risk test.
What closes functional acceptance of SNAT631PAC SNAT 631 PAC?	Record stable diagnostics, correct speed or torque command response, interlock operation and the approved controlled motor test.

Technical notes

Exact identity	SNAT631PAC SNAT 631 PAC
Documented function	Legacy Drive Controller Board
Technical evidence	ABB installed-board markings and legacy drive service documentation
Verification boundary	Confirm the complete marking and installed ABB legacy drive control system arrangement before selection

SNAT631PAC SNAT 631 PAC source record and supported references

Manufacturer reference	ABB installed-board markings and legacy drive service documentation
Applicability	Facts are limited to the exact order-code selections and stated matched-system conditions.
Public page	Exact product page linked from the first-page model title
Evidence boundary	No neighboring-model option or unsupported lifecycle conclusion is assigned to this product.

Verified related product references and contact

Recommended product	ABB DSQC406 3HAC035301-001
Recommended product	ABB DSQC604 3HAC12928-1
Recommended product	ABB DSQC608 3HAC12934-1
Recommended product	ABB DSQC611 3HAC13389-2
Recommended product	ABB DSQC652 3HAC025917-001

Discuss the exact marking and installed relationship with Apter Power.
sales13@apterpower.com | +86 18030235313