General Electric DS200PCCAG7ACB

INSTALLATION AND COMMISSIONING GUIDE / EXACT-MODEL ENGINEERING FILE

General Electric DS200PCCAG7ACB is identified as a power connect card for the GE DC2000 drive-control system. Match the complete marking, board group and installed interface arrangement before replacement.

01 Job scope and safe-work boundary

This field guide organizes the work sequence for the exact offered reference. The site-approved isolation and maintenance procedure remains controlling.

Match the complete marking	Compare DS200PCCAG7ACB with the installed board and applicable GE documentation.
Check the offered item before ordering	Request photos of DS200PCCAG7ACB; compare board marking, plugs, jumpers and included items with the installed unit.

Bridge class
G7 is the regenerative PCCA selection.

Voltage boundary
Published ceiling is 630 V dc and 600 V rms ac.

Jumper boundary
JP1/JP2 select armature range; WP3/WP4 route snubber and feedback points.

Required work record

Nameplate record	Photograph the complete DS200PCCAG7ACB marking and any revision identifier.
Host record	Identify the exact installed position and functional ownership in GE DC2000 drive-control system.
Connection record	Label every connector, cable and terminal before disturbing the installed assembly.
Configuration record	Archive applicable project, address, setting or fail-safe information before removal.
Acceptance record	Define the expected indication and controlled functional result before energization.

Related product navigation

General Electric DS200TBCAG1AAB	Related product page; verify the complete installed model before selection.
General Electric DS200TBQBG1ACB	Related product page; verify the complete installed model before selection.
General Electric DS200TBQCG1ABB	Related product page; verify the complete installed model before selection.
General Electric DS200DTBCG1AAA	Related product page; verify the complete installed model before selection.

Page close-out record

Identity closed	The as-left record names DS200PCCAG7ACB without a shortened family reference.
Interfaces closed	Every restored connection is traceable to the pre-work record.

02 Pre-installation readiness

Verify the complete identity	Check every token in DS200PCCAG7ACB against the offered board and approved record.
Isolate all connected energy	Follow the site procedure for dc bus, field supply, control power, stored energy and electrostatic handling.
Record plugs and jumpers	Photograph and label every connector, wire jumper and hardware jumper before removal.
Preserve drive configuration	Archive the applicable GE DC2000 drive-control system settings and drawings before replacement.
As-found evidence	Retain the complete label, installed position, connector map and current indications before removal.
Replacement boundary	Compare included carriers, terminals, cables and accessories with the quotation and installed scope.

Stop conditions

Identity mismatch
Stop if any complete-model token or revision marker differs.

Interface mismatch
Stop if keying, connector count or host position does not match.

Missing baseline
Stop if the installed configuration or cable map cannot be recovered.

Technical readiness data

PCCA group	G7
Bridge operation	Regenerative
Published dc-voltage ceiling	630 V dc
Published ac-voltage ceiling	600 V rms ac
Armature voltage selections	240, 290, 370, 500, 550, 580 or 630 V dc
Armature-selection jumpers	JP1 and JP2

Planning questions

How should DS200PCCAG7ACB be identified before a replacement is approved?	Use the complete DS200PCCAG7ACB marking, board group and revision string. Compare the installed position and documented power connect card role before approval.
What evidence should be retained before removing DS200PCCAG7ACB?	Photograph the complete marking, connector positions, jumper settings and status indications. Record the position in the GE DC2000 drive-control system.
How should the connectors for DS200PCCAG7ACB be checked during installation?	Label each plug before removal, then restore every connection from the as-found record and the applicable GE manual. Never force a keyed connector.

Readiness evidence

Identity
Complete marking and revision evidence.

Interfaces
Connector and cable ownership record.

Configuration
Approved settings or project archive.

03 Replacement sequence

01 Record	Capture marking, position, connections, settings and current indications.
02 Isolate	Apply the approved energy-isolation and ESD procedure for the installed system.
03 Compare	Check the offered unit, included items and interface execution against the removed unit.
04 Fit	Install without forcing connectors; restore routing, shielding and keying from the record.
05 Configure	Restore only the approved settings, project data or fail-safe behavior that applies.
06 Prove	Run the product-specific commissioning checks and retain the results.

Product-specific installation focus

DC2000 bridge interface	Connect drive control circuitry to the SCR power bridge.
Armature-voltage selection	Use only the published G7 JP1/JP2 voltage selections.
Snubber path control	Restore WP3 and WP4 from the approved bridge drawing and as-found record.
Regeneration check	Confirm the installed bridge is regenerative before approval.

Connection restoration controls

Position	Restore the documented host position for DS200PCCAG7ACB.
Orientation	Use the as-found orientation and keying; do not force a connector or carrier.
Cable ownership	Reconnect each labeled path to its original documented interface.
Settings	Restore only the approved address, project, fail-safe or hardware settings that apply.
Inspection	Complete a visual and continuity review before controlled energization.

Field decision notes

Evidence scope	GEH-6005 identifies G7 as regenerative and publishes its voltage, frame, snubber and jumper boundaries; the final ACB revision string must still match the installed board.
Installation boundary	The installed bridge, terminals, cables, feedback devices and drive configuration remain application-specific.
Technical reference	GE DC2000 Instruction Manual GEH-6005, DS200PCCA section and group tables

Related product navigation

General Electric DS200TBQCG1ABB	Related product page; verify the complete installed model before selection.
General Electric DS200DTBCG1AAA	Related product page; verify the complete installed model before selection.
General Electric DS200SDCIG1AFB	Related product page; verify the complete installed model before selection.
General Electric IC695PNC001	Related product page; verify the complete installed model before selection.

04 Commissioning and acceptance

Identity	Confirm complete marking, artwork and installed board position.
Interface map	Restore every connector and cable only from the approved as-found record.
Controlled power-up	Observe host and board indications before enabling the process function.
Functional proof	Test the intended board role and retain diagnostic evidence with the handover.

Enquiry-to-dispatch record

Review your reference	Send the complete DS200PCCAG7ACB marking, required quantity and installed drive context.
Confirm the offer	Review the offered identity, condition, included items and delivery details.
Arrange dispatch	Confirm the accepted quantity and destination in the quotation.

Applicable technical data

Snubber-routing wire jumpers	WP3 and WP4
Total documented jumper positions	4
Supported frame classes	C and G
Power-supply interface	DS200SDCI
Ac snubber circuits	Present
Dc snubber circuits	Present

Result record matrix

Baseline	Record the pre-test state for DS200PCCAG7ACB and its host position.
Stimulus	Apply only the approved controlled command, signal or diagnostic action.
Observation	Capture module indication, host diagnostic and field response together.
Comparison	Compare the result with the approved system record, not a generic family expectation.
Disposition	Accept, correct and retest, or record the exception with its owner.

Acceptance boundary

Commissioning should progress from identity and connection checks to controlled power-up, diagnostics and functional proof. Keep measured results, final status and open exceptions in the handover record.

Close-out control

Identity closed	The as-left record names DS200PCCAG7ACB without a shortened family reference.
Interfaces closed	Every restored connection is traceable to the pre-work record.
Function closed	The intended power connect card role has a recorded controlled-test result.
Exceptions closed	Outstanding diagnostic, configuration or scope exceptions have an owner and action.

Retain the complete model identity, measured result and every unresolved exception in the as-left maintenance record.

05 Fault isolation and handover

How can a suspected DS200PCCAG7ACB fault be separated from wiring or carrier faults?	Verify the documented supplies and reference signals first, inspect mating connectors and external wiring, then use a controlled substitution only after both signal paths are recorded.
What should be verified after fitting DS200PCCAG7ACB?	Check normal host indications and the intended power connect card function under an approved controlled test. Retain measured values and diagnostics with the handover record.
Can DS200PCCAG7ACB be replaced by a similar-looking assembly?	No direct equivalence is established by appearance. Compare the complete code, group, revision, connector execution and installed configuration.
What handover record is appropriate after work on DS200PCCAG7ACB?	Retain offered and removed markings, connection photographs, jumper or configuration evidence, measured checks, functional-test results and unresolved exceptions.

Handover pack

Identity evidence
Offered and removed markings plus installed position.

Configuration evidence
As-found and as-left settings or project record.

Test evidence
Diagnostics, controlled functional results and open exceptions.

Close-out checks

Identity closed	The as-left record names DS200PCCAG7ACB without a shortened family reference.
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Discuss the complete DS200PCCAG7ACB marking and installed configuration.
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Scan the WhatsApp QR to share nameplate and installed-system evidence.