General Electric DS200SDCIG1AHB

PRODUCT PAGE DOSSIER / EXACT-MODEL ENGINEERING FILE

General Electric DS200SDCIG1AHB is identified as a dc power supply and instrumentation board for the GE DC2000 drive-control system. Match the complete marking, board group and installed interface arrangement before replacement.

01 Product position

Complete identity	DS200SDCIG1AHB
Product type	DC Power Supply and Instrumentation Board
System family	GE DC2000 drive-control system
Condition	New, original product
Shipping	Swift global dispatch

Group boundary
G1 determines the field-supply execution.

Power boundary
Verify 38 V ac input and the published dc and 115 V ac outputs.

Instrumentation boundary
Preserve VCO, burden and firing-pulse paths before replacement.

Installed-system relationship

The complete DS200SDCIG1AHB marking identifies the offered dc power supply and instrumentation board. Record the removed board, host position and connected hardware so the comparison uses the actual installed boundary rather than a shortened family name.

Within the GE DC2000 drive-control system, evaluate this board together with its plugs, jumpers, connected power and feedback paths. Preserve the as-found interface map and revision evidence; a mechanically similar board is not automatically equivalent.

Decision snapshot

Identity decision	Use DS200SDCIG1AHB as the complete controlling reference.
Installed position	Record the host or carrier position within GE DC2000 drive-control system.
Interface evidence	Retain connector orientation, cable ownership, keying and observed indications.
Revision boundary	A similar family name or appearance does not establish interchangeability.
Release evidence	Retain final diagnostics, controlled functional results and open exceptions.

Related product navigation

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

02 Verified technical data

The following values are limited to the exact board, stated group or documented platform scope identified in the source note.

SDCI group	G1
Ac input	38 V ac ±10%
Logic output	+5 V dc at 4 A
Regulated positive output	+15 V dc at 0.4 A
Regulated negative output	-15 V dc at 0.4 A
External ±15 V capacity	0.25 A
Positive unregulated output	+24 V dc at 3 A
Negative unregulated output	-24 V dc at 1 A
External ±24 V capacity	0.5 A
Ac auxiliary output	115 V ac at 0.4 A
FU2 and FU3 rating	7 A, 2AG

Technical interpretation

Identity control	Use the complete DS200SDCIG1AHB marking without shortening the group or revision.
Interface control	Preserve every connector, jumper and signal-path assignment from the as-found record.
Evidence boundary	GEH-6005 publishes the shared SDCI supply and instrumentation values and the distinct G1 field-supply boundary; the final AHB revision string remains an exact-board identity check.
Acceptance control	Record measured checks, diagnostics and the approved functional result.

Engineer questions

How should DS200SDCIG1AHB be identified before a replacement is approved?	Use the complete DS200SDCIG1AHB marking, board group and revision string. Compare the installed position and documented dc power supply and instrumentation board role before approval.
What evidence should be retained before removing DS200SDCIG1AHB?	Photograph the complete marking, connector positions, jumper settings and status indications. Record the position in the GE DC2000 drive-control system.

Engineering decision record

Nameplate record	Photograph the complete DS200SDCIG1AHB 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.

03 Applications and compatibility

System position: DS200SDCIG1AHB is evaluated within the documented GE DC2000 drive-control system architecture.

Compatibility boundary: Match the complete group, revision, connectors and configured signal path before replacement.

Logic-power distribution	Provide regulated and unregulated control supplies for the DC2000 drive.
Instrumentation conversion	Maintain field-shunt and armature-current VCO paths.
Firing-pulse interface	Verify the 25 kHz, 10% duty-cycle SYOSC path from SDCC.
Field-supply boundary	Confirm G1 internal or G2 external field-exciter execution before approval.

Remaining technical values

Blown-fuse indicators	CR51 and CR55
Field-shunt VCO nominal frequency	250 kHz
Field-shunt VCO range	0-500 kHz
VCO isolation level	Up to 600 V
Firing-pulse oscillator	25 kHz at 10% duty cycle
Contactor-delay selection	JP2; approximately 100 ms in normal position
Revision string	AHB
Internal field-supply ceiling	10 A
Field fuses	FU5 and FU6
Field-fuse indicators	LT5 and LT6

Compatibility questions

How should the connectors for DS200SDCIG1AHB 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.
What configuration boundary matters when commissioning DS200SDCIG1AHB?	Use the exact board group, hardware execution and approved drive record. A similar board family or physical fit does not establish interchangeability.

Related General Electric references

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.

04 Product precautions and commissioning

Verify the complete identity	Check every token in DS200SDCIG1AHB 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.
Inspect mating hardware	Check connectors, ribbon cables, terminal boards and cable condition before attributing a fault to the board.
Prove the intended function	Use an approved controlled test and retain measured values, diagnostics and acceptance evidence.

Replacement sequence

01 Record	Photograph the complete board, position, plugs, jumpers and visible indications.
02 Isolate	Apply the approved dc-bus, field-supply, control-power and ESD procedure.
03 Compare	Check the offered board, group, revision, connectors and included items.
04 Restore	Reconnect only from the approved as-found map and drive drawings.
05 Measure	Verify the documented supplies, test points or conversion paths that apply.
06 Prove	Run the controlled functional test and retain the result.

Commissioning questions

How can a suspected DS200SDCIG1AHB 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 DS200SDCIG1AHB?	Check normal host indications and the intended dc power supply and instrumentation board function under an approved controlled test. Retain measured values and diagnostics with the handover record.

Release evidence pack

Identity Complete offered and removed markings.	**Interfaces** As-found and as-left connector map.	**Acceptance** Diagnostics and controlled functional result.

Close-out control

Identity closed	The as-left record names DS200SDCIG1AHB without a shortened family reference.
Interfaces closed	Every restored connection is traceable to the pre-work record.
Function closed	The intended dc power supply and instrumentation board role has a recorded controlled-test result.
Exceptions closed	Outstanding diagnostic, configuration or scope exceptions have an owner and action.

05 Lifecycle, FAQ and evidence

DS200SDCIG1AHB status	A current lifecycle phase for this complete order code has not been confirmed.
Support and replacement	Match the complete identity, board group, revision and installed configuration when planning service.
Apter Power availability	Available quantity and dispatch date are confirmed separately in the quotation.

Additional technical FAQ

Can DS200SDCIG1AHB 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 DS200SDCIG1AHB?	Retain offered and removed markings, connection photographs, jumper or configuration evidence, measured checks, functional-test results and unresolved exceptions.

Source and applicability

Evidence scope	GEH-6005 publishes the shared SDCI supply and instrumentation values and the distinct G1 field-supply boundary; the final AHB revision string remains an exact-board identity check.
Installation boundary	The installed bridge, terminals, cables, feedback devices and drive configuration remain application-specific.
Technical reference	GE DC2000 Instruction Manual GEH-6005, DS200SDCI section

Enquiry and dispatch record

Review your reference	Send the complete DS200SDCIG1AHB 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.

Related General Electric references

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

Discuss the complete DS200SDCIG1AHB marking and installed configuration.
sales13@apterpower.com | +86 18030235313
Scan the WhatsApp QR to share nameplate and installed-system evidence.