General Electric DS200SHVMG1AFE

PRODUCT PAGE DOSSIER / EXACT-MODEL ENGINEERING FILE

General Electric DS200SHVMG1AFE is identified as a scr high voltage m-frame interface board for the GE DC2000 M-frame drive-control system. Match the complete marking, board group and installed interface arrangement before replacement.

01 Product position

Complete identity	DS200SHVMG1AFE
Product type	SCR High Voltage M-Frame Interface Board
System family	GE DC2000 M-frame drive-control system
Condition	New, original product
Shipping	Swift global dispatch

Signal conversion
-500 mV to +500 mV shunt input becomes 0-500 kHz differential frequency.

CT boundary
Use 10:1 attenuation only when secondary current exceeds 144 mA.

Voltage boundary
JP9-JP17 distinguish 240-600 V ac from 601-1000 V ac.

Installed-system relationship

The complete DS200SHVMG1AFE marking identifies the offered scr high voltage m-frame interface 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 M-frame 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 DS200SHVMG1AFE as the complete controlling reference.
Installed position	Record the host or carrier position within GE DC2000 M-frame 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.

Board group	G1
Input shunt-signal span	-500 mV to +500 mV
Differential-frequency output span	0-500 kHz
Selectable CT attenuation	10:1
CT attenuation threshold	Insert above 144 mA secondary current
CT bypass threshold	Bypass at or below 144 mA
CT jumper bank	JP1-JP8; 8 positions
Voltage attenuation bank	JP9-JP17; 9 positions

Technical interpretation

Identity control	Use the complete DS200SHVMG1AFE 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 G1 M-frame interface ranges and all 17 jumper functions; the AFE revision string remains an exact-board identity boundary.
Acceptance control	Record measured checks, diagnostics and the approved functional result.

Engineer questions

How should DS200SHVMG1AFE be identified before a replacement is approved?	Use the complete DS200SHVMG1AFE marking, board group and revision string. Compare the installed position and documented scr high voltage m-frame interface board role before approval.
What evidence should be retained before removing DS200SHVMG1AFE?	Photograph the complete marking, connector positions, jumper settings and status indications. Record the position in the GE DC2000 M-frame drive-control system.

Engineering decision record

Nameplate record	Photograph the complete DS200SHVMG1AFE marking and any revision identifier.
Host record	Identify the exact installed position and functional ownership in GE DC2000 M-frame 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.

Source control

Use only the stated exact-model or platform evidence. Unstated electrical ratings and adjacent-model values are not assigned to this product.

03 Applications and compatibility

System position: DS200SHVMG1AFE is evaluated within the documented GE DC2000 M-frame drive-control system architecture.

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

M-frame bridge interface	Interface the SCR bridge with DCFB or SDCI and PCCA paths.
Current-transducer scaling	Set JP1-JP8 together for the installed ACCT secondary current.
Voltage attenuation	Set JP9-JP17 for the documented ac line and dc bridge ranges.
Controlled commissioning	Compare measured conversion and attenuation paths with the approved drive record.

Remaining technical values

Total hardware jumper positions	17
Low ac-voltage range	240-600 V ac
High ac-voltage range	601-1000 V ac
Measured voltage paths	3: ac line, motor armature and SCR bridge
Revision string	AFE

Compatibility questions

How should the connectors for DS200SHVMG1AFE 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 DS200SHVMG1AFE?	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.
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.

04 Product precautions and commissioning

Verify the complete identity	Check every token in DS200SHVMG1AFE 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 M-frame 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 DS200SHVMG1AFE 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 DS200SHVMG1AFE?	Check normal host indications and the intended scr high voltage m-frame interface 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 DS200SHVMG1AFE without a shortened family reference.
Interfaces closed	Every restored connection is traceable to the pre-work record.
Function closed	The intended scr high voltage m-frame interface 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

DS200SHVMG1AFE 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 DS200SHVMG1AFE 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 DS200SHVMG1AFE?	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 G1 M-frame interface ranges and all 17 jumper functions; the AFE revision string remains an exact-board identity boundary.
Installation boundary	The installed bridge, terminals, cables, feedback devices and drive configuration remain application-specific.
Technical reference	GE DC2000 Instruction Manual GEH-6005, DS200SHVM section

Enquiry and dispatch record

Review your reference	Send the complete DS200SHVMG1AFE 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 DS200SHVMG1AFE marking and installed configuration.
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Scan the WhatsApp QR to share nameplate and installed-system evidence.