General Electric DS200FSAAG1A

Complete Product Information | decision matrix

GE DS200FSAAG1A is a DC2000 FSAA single-phase field-supply gate amplifier board for a non-reversing plugging (NRP), with conditional NRX capability field bridge.

02 Configuration and interface matrix

Board family	DC2000 FSAA field supply gate amplifier
Hardware group	G1: non-reversing plugging (NRP), with conditional NRX capability
Bridge arrangement	Four-SCR full-wave field supply bridge
SCR control	all four SCRs are phase-controlled
AC MOV placement	separate MOV subassembly
Input fuse positions	L2 and L3
Onboard fuse rating	30 A each
Protected field load	Up to 24 A via onboard fuses; larger fields need external fusing
Mode hardware	JP1-JP6 configuration positions
Board identification	Complete DS200FSAAG1A edge marking
Revision marking	A suffix

03 Application roles and compatibility

Field bridge firing

Drive the four-SCR field-supply arrangement in the documented G1 mode; verify the firing leads and bridge terminals against the original wiring schedule.

Motor field excitation

Coordinate field current with the DC2000 drive controls and the motor field circuit during controlled start and stop tests.

Fuse-coordinated supply

Retain L2/L3 onboard fuse protection and establish whether the actual field rating requires external fuses for the field feed.

Replacement and fault review

Use complete board marking, bridge hardware, MOV placement and recorded wiring to investigate field loss, fuse operation or unstable excitation.

Practical compatibility boundary

GEI-100186 covers the DS200FSAAG1__ hardware group. Its group-level functions apply to this complete marking, while the A suffix and installed bridge assembly must be matched directly before exchange.

04 Product precautions

Make the field circuit safe

Apply the site lockout procedure to incoming power and the field supply. Verify stored energy is discharged before touching the board or bridge.

Control static discharge

Handle the printed board by its edges using grounded ESD protection; protect connectors and components during transport and insertion.

Match the complete board

Read the full DS200FSAAG1A edge marking and the installed bridge record. A G1 and G2 FSAA board have different SCR-control and MOV arrangements.

Check fusing before energizing

Inspect the L2/L3 30 A fuse positions and determine whether the field circuit needs larger external fuses under the original GE instructions.

05 Offered unit and lifecycle

Condition: New, original product. Confirm the board, fuses and the matching field-bridge/MOV assembly in the quotation; the drive, SCR bridge and external fuses are separate unless listed.

Lifecycle status

Complete-model phase: A current manufacturing and support phase for GE DS200FSAAG1A has not been established for the complete board marking. Replacement review: Obtain current guidance using the full G1/A identity, board revision, SCR bridge and drive application. The other FSAA group has different gating hardware and is not presumed interchangeable. Supply boundary: Apter Power availability and offered condition are confirmed independently of the manufacturer's lifecycle phase.

Discuss the fitted revision.
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Source: GE Drive Systems FSAA Single-phase Field Supply Gate Amplifier Board Replacement Instructions, GEI-100186, October 1994

Other General Electric references

General Electric DS200FSAAG1ABA

General Electric DS200FSAAG2ABA

General Electric 531X307LTBAKG1

Catalog navigation only; verify each model separately.