GE IS200EPSMG1AEC

Exciter Auxiliary and Control Power Supply Module

GE IS200EPSMG1AEC is an EX2100 excitation-control power supply module providing controller rails and dedicated external-module supplies.

Sourcing Support | 12-Month Warranty

Product summary

Manufacturer part number	IS200EPSMG1AEC
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	8cm x 18.5cm x 26.1cm
Country of Origin	USA
Manufacturer	General Electric
Product Category	Gas Turbine Control
Spare Part Number	IS200EPSMG1AEC
Weight	1.1 kg

Buyer information / Overview

The external exciter loads distinguish the ±24 V path from the isolated contact-wetting path, so a single healthy rail cannot establish that every function is powered.

Distinct auxiliary circuits

De-excitation and feedback loads use a different supply relationship from contact wetting.

Isolated contact excitation

The wetting circuit supports the documented exciter terminal-board functions.

Load-aware fault tracing

A failed external circuit can be investigated without assuming the controller electronics are defective.

G1AEC remains the full offered revision identity. Within EX2100, EPSM converts the distributed cabinet DC source for both control electronics and external exciter functions. Keep this supply role separate from the EPBP, which holds and distributes the independent power paths.

The ±24 V external supply serves the documented EDEX, crowbar, EGDM and EDCF functions, while isolated +70 V provides contact wetting for EXHS and ECTB. Similar-looking voltage labels therefore refer to different load groups. Trace the actual circuit before reconnecting or declaring a supply fault.

A complete acceptance check includes the served controller and the affected auxiliary functions. Restore distribution and mating connections, compare rail measurements with the approved procedure and verify the returned function. Matching one output voltage does not establish that an AEC board is an approved substitute for every other EPSM revision.

Controller platform reference: EX2100 excitation control. Match the installed configuration.

Technical Specifications

Nominal DC source	125 V DC
Logic supply output	+5 V DC
Bipolar analog supply	±15 V DC
Controller auxiliary output	+24 V DC
External-module supply	±24 V DC
Isolated wetting output	+70 V DC
Independent supplies in redundant control	3

Technical source: GE EX2100 Excitation Control User Guide GEH-6632G. Rails describe the EPSM excitation-control design and their stated connected loads. No undocumented output-current capability, auxiliary daughterboard fit or ADC/AEC revision equivalence is implied.
Apter Power product summary. Original technical pages and a field guide are available in Downloads.

Applications / Compatibility

Use in the documented EX2100 excitation-control power chain with its specified backplane and external loads.

Contact wetting, feedback power and controller logic are separate functional circuits even though they originate in the same supply module.

Contact-wetting restoration

Trace the isolated supply to the EXHS/ECTB arrangement and prove the receiving contact interpretation.

Feedback auxiliary power

Review the identified feedback-module supply and returned signal rather than interpreting lost feedback as a sensor fault alone.

De-excitation load supply
Retain the approved EDEX/crowbar power relationship and its service procedure.

Auxiliary fault investigation
Separate a missing rail from a connected-load fault while preserving healthy controller paths.

Product Precautions

Apply these checks to GE IS200EPSMG1AEC and its documented installation.

Identify the external loads
Label the ±24 V and isolated wetting circuits separately.

Keep isolated references intact
Do not combine returns solely because their voltage labels look similar.

Retain the AEC identity
Compare the actual group and revisions before any substitution.

Inspect the supply/backplane join
Check contacts and retention before applying power.

Use controlled load diagnosis
Follow the approved isolation procedure for an affected auxiliary circuit.

Prove the restored function
Verify the actual contact or feedback response in addition to the measured rail.

Lifecycle Status

The exact factory lifecycle phase for IS200EPSMG1AEC is unconfirmed.

Retain the G1 excitation-control role and AEC revision together with the auxiliary-load and wetting-circuit assignments.

The offered module excludes the separately identified feedback, terminal and de-excitation assemblies.

Available Unit Details

Offered reference	GE IS200EPSMG1AEC.
Identity check	Request the complete G1AEC marking and the module’s mating/retention details.
Physical review	Inspect contact condition and power-path heat damage before connecting the auxiliary loads.
Included items	one EPSM module; auxiliary load assemblies and backplane separately listed.

Request available-unit photos and details: sales13@apterpower.com

Technical notes

Wetting circuit	Isolated +70 V is not a general replacement for the ±24 V auxiliary path.
Fault boundary	A powered controller can coexist with an unpowered external exciter function.
Acceptance basis	Record both electrical supply evidence and the returned receiving function.

Alternative Names

GE IS200EPSMG1AEC; IS200EPSMG1AEC

Frequently Asked Questions (FAQ)

1. Why can the controller remain healthy while an external function powered by IS200EPSMG1AEC is lost?

The controller rails and external auxiliary/wetting paths have different loads. Trace the affected circuit and measured rail before replacing controller hardware.

2. Can the isolated wetting output of IS200EPSMG1AEC be substituted for a missing auxiliary rail?

No. The documented load groups and reference relationships differ. Restore the intended circuit rather than choosing a source by apparent availability.

3. What should be checked before blaming feedback hardware for a loss associated with IS200EPSMG1AEC?

Verify the identified auxiliary supply, its return and backplane path, then compare the receiving signal. Loss of power can resemble a failed feedback module.

4. Why should the return references of IS200EPSMG1AEC be retained during service?

Isolation and dedicated load paths are part of the circuit design. An undocumented common return can change the function and invalidate a simple voltage comparison.

5. Does a normal logic rail prove the contact-wetting path from IS200EPSMG1AEC is operational?

No. Measure and prove the wetting circuit at its intended receiving function using the approved procedure.

6. What is required before exchanging another EPSM revision for IS200EPSMG1AEC?

Retain complete markings, backplane and load identities and obtain the approved revision-compatibility decision; common family rails alone are insufficient.

7. How can a connected auxiliary load be separated from a supply defect in IS200EPSMG1AEC?

Use controlled isolation and the approved test plan to compare the rail and receiving circuit, preserving the healthy redundant paths.

8. What should be recorded after IS200EPSMG1AEC restores a contact or feedback function?

Retain rail/reference measurements, the exact affected load, restored indication and the served controller state at release.

Downloads

For IS200EPSMG1AEC, original technical pages define construction and limits. The field guide develops auxiliary-rail and contact-wetting fault separation.

IS200EPSMG1AEC Original Technical Reference Excerpt	Selected original manufacturer technical pages for the documented component family. PDF · 2 pages · 221.0 KB.
IS200EPSMG1AEC Installation & Commissioning Guide	Auxiliary-Rail and Contact-Wetting Fault Separation. Prove the actual external function after restoring the rail and its reference, rather than accepting a healthy controller alone. PDF · 2 pages · 93.5 KB.

Original technical data and installation decisions are provided as separate documents.

What happens after you enquire

Review your reference	Send the full marking, quantity and label photos. We review the item and any version details that need clarification.
Confirm the offer	Check the quoted reference, condition, included items and expected dispatch date before approving your order.
Arrange dispatch	Confirm delivery details and receive the tracking number when it becomes available.

Ordering checks

Include IS200EPSMG1AEC and every revision or approval marking visible on the item. Keep the exact reference on your enquiry and quotation.

Request available label and interface photos. Have your maintenance team compare the offered IS200EPSMG1AEC reference with the installed equipment and applicable GE documentation.

Service and support

Dispatch Planning	Confirm stock and lead time with our team.
Dedicated Manager	Personalized one-to-one VIP service
ISO 9001:2015 Certified	Trusted quality management
Warranty Policy	Review the applicable warranty coverage and claim process.
Return Notice	Check the return process and obtain approval before sending an item back.
Shipping Method	Review shipping arrangements, transit estimates and delivery responsibilities.
Parts Availability	Browse stock listings and confirm current availability with our team.
How to order	See how to submit an enquiry, review a quotation and confirm an order.

Discuss your requirement

Send the full marking, label photos, quantity and required date. Our team will review the available sourcing options with you.

WhatsApp / Phone: +86 18030235313 | sales13@apterpower.com

Related GE product references

Separate supply references; these links do not establish interchangeability.

GE IS420YAICS1B
Functional Safety Analog Input/Output Pack

GE IS200EPSMG1ADC
Exciter Control Power Supply Module

GE IS200TRLYH1BHH
Relay Output Terminal Board

GE IS200TSVCH2AJE
Servo Control Terminal Board

GE IS200ECTBG2ADE
Exciter Contact Terminal Board

GE IS200EDCFG1AED
Exciter DC Feedback Board

GE IS200EISBH1AAB
Exciter ISBus Communication Board

GE IS200EPSMG1AED
Exciter Power Supply Module

GE DS200DTBCG1AAA
Contact Output Termination Module

GE DS200TBCAG1AAB
External I/O Terminal Board

Discuss IS200EPSMG1AEC and its installed application with Apter Power.
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