

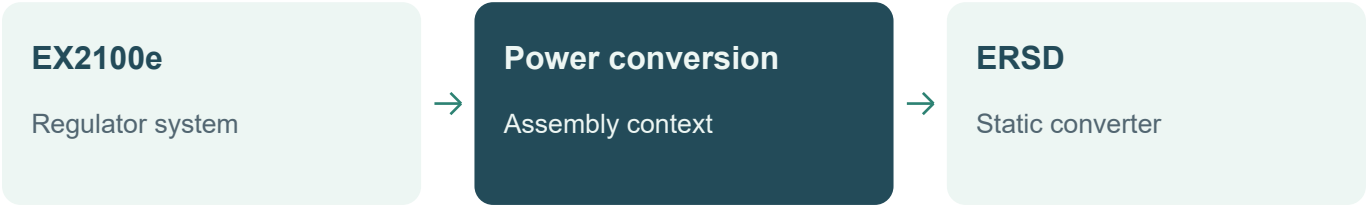
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GE IS200ERSDG1A

Technical Reference / Static Converter Board

GE IS200ERSDG1A is an ERSD exciter regulator static converter board. ERSD is documented as part of the EX2100e excitation-control regulator system.

SYSTEM RELATIONSHIP



Assembly hierarchy only. This diagram does not prescribe wiring or establish a board electrical rating.

INTERFACE DOSSIER

System element	Documented relationship
EX2100e	Regulator excitation-control system
Power-conversion assembly	Contains ERSC or ERSD functional board
K3 relay	Associated inspection item in regulator maintenance
Unit drawings	Establish installed wiring and assembly variant

Evidence boundary

ERSD functional-board and assembly context are documented. The G1A suffix is retained; complete-model electrical and mechanical ratings remain unverified.

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Configuration & application

Technical Reference / Engineering decisions

VERIFIED TECHNICAL FIELDS

Field	Documented value
Functional acronym	ERSD
Documented meaning	Exciter Regulator Static Converter (Version D)
System context	EX2100e regulator system
Assembly context	Regulator power-conversion assembly

Source record

GEH-6784D, EX2100e Excitation Control Maintenance Guide: glossary p.16; maintenance p.21; power-conversion assembly and replacement pp.34-38.

IDENTITY & RATING DECISIONS

What does ERSD mean for GE IS200ERSDG1A?

ERSD denotes Exciter Regulator Static Converter (Version D). The functional acronym does not decode the G1A ordering suffix.

Where does GE IS200ERSDG1A fit in the EX2100e system?

The maintenance guide places ERSD in the regulator power-conversion assembly. Confirm the installed assembly against the unit drawings.

Is the regulator system rating a board rating for GE IS200ERSDG1A?

No. The system rating stated in the maintenance guide is not an independently verified rating for this complete board model.

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Engineering decision map

Technical Reference / Configuration and uses

Service boundary	Required evidence
Full identity	Board marking and installed assembly
Energy sources	Unit-specific AC/DC isolation points
Stored energy	Discharge verified by measurement
Release condition	Inspection, alarm and fault checks completed

APPLICATION CONTEXTS

Generator excitation service

Used in the documented EX2100e regulator static-converter context.

Converter assembly restoration

Supports maintenance of the regulator power-conversion assembly containing ERSD.

Planned regulator maintenance

Provides a model identification point when inspecting the installed converter assembly and associated K3 relay.

Post-service system checks

Forms part of the converter system returned to service after isolation, inspection and alarm checks.

Service the ERSD converter within the installed regulator power-conversion assembly. Isolate all applicable energy sources and use the unit-specific circuit diagrams before disconnecting the assembly.

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