GE

IS200TTURH1B

Primary Turbine Protection Input Terminal Board

This reference defines the verified engineering boundary of IS200TTURH1B and separates product capability from site-specific configuration.

System position

Exact identity	System family	Functional role	Release basis
IS200TTURH1B	Mark VI Primary Turbine Protection	Protection Input Board	Recorded test and diagnostics

Control the identity boundary

The IS200TTURH1B forms the field-wiring boundary for the Mark VI primary turbine-protection chain, keeping speed, synchronization and shaft-monitoring signals organized before they reach VTUR.

IDENTITY / RESOURCE	DOCUMENTED VALUE
Model	IS200TTURH1B
Platform	Mark VI
Function	Primary turbine-protection input terminal board
Associated processor	VTUR
Speed inputs	Passive magnetic pickup circuits
Voltage inputs	Generator and bus PT circuits

Technical evidence record: GEH-6421 Mark VI Turbine Control System Guide, Volume II

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IS200TTURH1B

Interfaces and integration

Trace the installed signal path

Integration review for IS200TTURH1B proceeds through identity, interfaces, configuration, diagnostics and functional acceptance.

Model	IS200TTURH1B
Platform	Mark VI
Function	Primary turbine-protection input terminal board

Define the receiving position

The host review links the physical slot, companion hardware and retained engineering revision to the offered item.

Host	Mark VI Primary Turbine Protection
Primary role	termination of primary speed, synchronization and
Acceptance	Recorded diagnostic response

Interface control matrix

CONTROL BAND	VERIFICATION RECORD
Identity	Model, designation and complete label
Mechanical	Position, seating and retention
Electrical	Loop supply and field conductors
Processing	Range, limits and correction
Supervision	Supply, range and wire-break states
Release	Controlled test with retained result

Configuration ownership

Keep assigned channel values under the approved project record.

Acceptance ownership

Name the retained result that authorizes handover of the measurement path.

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Technical resource bands

Only capabilities tied to the exact execution appear here; operating assignments remain configuration-controlled.

PARAMETER	VALUE
Model	IS200TTURH1B
Platform	Mark VI
Function	Primary turbine-protection input terminal board
Associated processor	VTUR

PARAMETER	VALUE
Speed inputs	Passive magnetic pickup circuits
Voltage inputs	Generator and bus PT circuits
Shaft monitoring	Voltage and current circuits
Architecture	Simplex or TMR protection arrangements

Label decision

Accept the stated part number only when the complete installed identity agrees.

Circuit decision

Confirm the recorded field-circuit arrangement before reconnecting any loop.

Processing decision

Restore channel processing from the approved project rather than a neighboring position.

Evidence decision

Use diagnostic observations and a controlled response to support final handover.

Engineering boundary

A similar faceplate or matching channel total does not prove interchangeability. Resolve the host position, connection scheme and controlled revision before use.

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Controls and service logic

Primary overspeed inputs

Terminates passive magnetic pickup circuits used by VTUR for turbine-speed protection.

Automatic synchronization

Carries generator and bus potential-transformer inputs used by synchronization functions.

Shaft monitoring

Routes shaft-voltage and shaft-current measurement circuits into the primary protection subsystem.

Simplex or TMR integration

Supports the documented VTUR cabling arrangement selected for the installed redundancy

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Resolve label, designation and receiving position
2. Compare	Review circuit type, processing and supervision
3. Restore	Rebuild the recorded connection and configuration state
4. Demonstrate	Retain diagnostic and functional acceptance evidence

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IS200TTURH1B

Engineering decisions

What is the purpose of GE IS200TTURH1B?

It is the Mark VI terminal board that brings primary turbine-protection field inputs to the VTUR processor.

Which processor is associated with GE IS200TTURH1B?

It is used with the VTUR primary turbine-protection processor in the documented Mark VI architecture.

Which speed signals terminate on GE IS200TTURH1B?

Passive magnetic speed-pickup circuits terminate on the board for turbine-speed measurement and overspeed protection.

Which voltage signals are handled by GE IS200TTURH1B?

The board terminates generator and bus potential-transformer circuits used by the synchronization functions.

Does GE IS200TTURH1B participate in shaft monitoring?

Yes. The documented protection arrangement carries shaft-voltage and shaft-current monitoring through the TTUR path.

Can GE IS200TTURH1B be used in redundant Mark VI systems?

The terminal board is documented within both simplex and triple-modular-redundant primary protection arrangements, subject to the installed VTUR and

Related Apter Power pages

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