IS200ECTBG1ABB

General Electric / Exciter Contact Terminal Board

GE IS200ECTBG1ABB is an ECTB contact terminal board for an EX2100 excitation-control arrangement. Its group-1 family supports the redundant-control terminal interface described in the GE system instruction.

Product identity and system role

GE IS200ECTBG1ABB is an ECTB contact terminal board for an EX2100 excitation-control arrangement. Its group-1 family supports the redundant-control terminal interface described in the GE system instruction.

The documented family arrangement includes trip-contact outputs and contact inputs. Their circuit assignments and the applicability of the family figures to a particular ABB revision must be checked against the installed cabinet drawings and board marking.

A replacement should preserve the redundant-controller interface, the exact group and revision, and each field terminal destination. After wiring review, perform the approved trip and status-input tests under the plant commissioning plan.

Verified technical characteristics

Board family	ECTB
System family	EX2100 excitation control
Control arrangement	Redundant-control configuration
Documented trip relays	Four Form-C contacts
Documented contact inputs	Six 70 V dc inputs
Wiring interface	Terminal and plug connectors
Offered group	G1ABB
Service boundary	Installed excitation cabinet drawings

Engineering context

Redundant excitation control

Use in an EX2100 cabinet built around the ECTB group-1 terminal arrangement.

Trip contact routing

Connect only to the trip circuits defined in the cabinet drawings.

Contact input monitoring

Review the designated 70 V dc contact-input wiring for the installed execution.

Board replacement

Match the G1ABB marking and redundant-control harness before service.

Configuration and verification

Check redundant architecture: Match the board position to the cabinet design.

Map trip contacts: Record each terminal and destination before disturbance.

Confirm input circuits: Verify contact-input wiring against the approved drawing.

Preserve revision: Compare full IS200ECTBG1ABB identity and board revision.

Control stored energy: Apply exciter isolation and discharge procedure.

Prove critical functions: Test intended trip and status circuits after reassembly.

Selected engineering questions

Which cabinet arrangement is relevant to IS200ECTBG1ABB?
The ECTB group-1 design is documented for a redundant EX2100 control arrangement.

How are IS200ECTBG1ABB trip contacts assigned?
Use the cabinet trip-circuit drawing; the board family count alone does not identify a field destination.

What should be checked on IS200ECTBG1ABB contact inputs?
Verify the installed input circuit, polarity and designated contact points against the approved drawing.

Can a different ECTB group replace IS200ECTBG1ABB?
Only with approved evidence for both redundant-control function and terminal compatibility.

What should be captured before IS200ECTBG1ABB removal?
Record the complete board label, terminal schedule, plug positions and as-found controller state.

How should IS200ECTBG1ABB be tested after installation?
Use the site-approved exciter test to confirm status inputs and trip-contact response.

Why is the ABB suffix relevant for IS200ECTBG1ABB?
It distinguishes the offered execution; family instructions do not automatically establish every revision detail.

What safety boundary applies to IS200ECTBG1ABB work?
Follow excitation-cabinet isolation and stored-energy controls before touching terminals.

Source and application boundary

GE GEH-6632 EX2100 Excitation Control user guide, ECTB redundant-control terminal-board description.

The original GE instruction describes the ECTB group-1 redundant-control design; applicability to the ABB revision must be verified against installed drawings.

Related product references

Separate product listings for project review; confirm each order code and system fit independently.

General Electric DS200CTBAG1ADD	General Electric IS215UCVEH2AE
General Electric IC600YB842	General Electric IC693CHS391N
General Electric IS220YDIAS1AK	

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Send the complete model and installed-system details when requesting a quotation.