GE IS200ECTBG2ADE

Exciter Contact Terminal Board

Simplex Generator-Status and Relay Acceptance

Keep the 86G/52G decisions separate from auxiliary contacts, then prove relay behavior using both controller feedback and the external field circuit.

Before You Order

G2 architecture	Confirm the simplex arrangement rather than accepting any ECTB group.
Dedicated contacts	Obtain the generator lockout and online status drawings with their normal states.
Relay duty	Record supply voltage, inductive loads and the installed suppression components.

The installed relationship

Dedicated state	86G open-for-trip / 52G closed-online -> ECTBG2 -> EMIO
Auxiliary contacts	Customer dry contacts -> supplied wetting circuit -> simplex input path
Relay result	EMIO command -> relay -> field load, with coil and auxiliary-contact feedback

Contact data apply to the ECTBG2 simplex design. Relay breaking limits refer to the stated DC voltage and L/R condition; the complete ADE identity is retained for the offered hardware.

EX2100 simplex contact I/O — restoration sequence

1 Keep G2 routing simplex	Identify the EMIO path and existing customer assignments before lifting conductors.
2 Prove lockout interpretation	Verify the actual 86G source and its open-for-trip state under the approved test.
3 Prove breaker status	Check 52G separately using its closed-when-online relationship.
4 Restore relay supply	Retain the customer DC feed, load-specific suppression and trip-output allocation.
5 Compare command and feedback	Observe coil-current and auxiliary-contact feedback independently from the receiving load state.
6 Test the affected protection duty	Complete the authorized trip/load test after the individual input and output checks.

Diagnostic checkpoints

Online status inverted

Trace the 52G closed-online circuit and the application interpretation.

Relay feedback disagrees

Separate coil-current observation, auxiliary contact and external supply faults.

Input changes when an external supply is added

Review the wetting arrangement before reapplying power.

Close the model-specific checks

Status agreement	86G and 52G represent their physical source states correctly.
Relay evidence	Command, auxiliary feedback and field duty agree for the affected circuits.
Protection evidence	The approved trip/lockout proof is completed and recorded.

Interpreting Contact Duty

Voltage selection	The 28 V and 125 V breaking limits are different conditions, not interchangeable current ratings.
Inductive selection	Apply the L/R-qualified limit and retain external suppression.
Topology selection	Simplex G2 routing must agree with the receiving controller configuration.

Decisions from the observed installation

Relay operates but the customer device does not

Follow the external contact source, wiring and return path after checking relay feedback.

A redundant board is offered as a spare

Resolve the G1/G2 architecture before moving customer wiring.

The evidence to retain for IS200ECTBG2ADE

Status sheet	Dedicated contact source, normal state, terminal and observed controller state.
Output sheet	Supply voltage, load type, suppression, command and field result.

Technical basis

GE EX2100 Excitation Control User Guide GEH-6632G

Related product references

Separate supply references; listing does not establish interchangeability.

GE IS200EDCFG1AED	Exciter DC Feedback Board; separate supply reference
GE IS200EISBH1AAB	Exciter ISBus Communication Board; separate supply reference



Discuss IS200ECTBG2ADE and the installed application with Apter Power.
sales13@apterpower.com | +86 18030235313