DS200TCQAG1A

General Electric / Turbine Control I/O Card

GE DS200TCQAG1A is a TCQA turbine-control I/O card for a configured SPEEDTRONIC Mark V system. Its function must be interpreted together with the installed processor, PROM set and field wiring.

Product identity and system role

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The Mark V maintenance architecture treats TCQA as one card within the control-core signal chain. The exact signal allocation is determined by the host cabinet and site-specific configuration, rather than by the G1A base label alone.

For a controlled exchange, record PROM identities and all board markings, preserve cable positions and compare diagnostic indications before and after installation. Commissioning must follow the approved turbine-control procedure.

Verified technical characteristics

Card family	TCQA
System	SPEEDTRONIC Mark V
Offered group	G1A
Board function	Controller I/O processing
Configuration elements	Installed PROM set
Service identity	Full board and PROM markings
Interface	Installed Mark V card connections
Maintenance	System diagnostic and signal checks

Engineering context

Mark V control core

Use in an installed cabinet whose parts record identifies a TCQA G1A card.

Signal processing chain

Review the processor and adjacent I/O cards that exchange signals with TCQA.

Configured PROM set

Preserve version and application identities for the installed system.

Turbine service

Verify affected control and protective signals under site-approved tests.

Configuration and verification

Record PROM markings: Capture every installed device label and socket position.

Document card wiring: Photograph and label all interconnects before removal.

Match group and revision: Compare the complete DS200TCQAG1A marking to the installed record.

Observe isolation: Apply the turbine-control cabinet service procedure.

Check diagnostics: Compare host indications and card-level faults before and after exchange.

Validate affected signals: Complete site-approved I/O and protective-function testing.

Selected engineering questions

Why is the PROM set important on DS200TCQAG1A?
It can carry configuration-dependent information; capture its labels and positions before replacement.

How is DS200TCQAG1A matched to a Mark V cabinet?
Compare its complete marking, connector arrangement and installed PROM set with the cabinet record.

Can G1B data automatically apply to DS200TCQAG1A?
No. Treat group and revision differences as separate until approved.

What should be checked if diagnostics change after a DS200TCQAG1A exchange?
Review cable seating, PROM placement, board revision and the host diagnostic log.

Which signals should be tested for DS200TCQAG1A?
Use the site I/O list to select every affected control and protection signal.

How are cable connections on DS200TCQAG1A documented?
Record cable tags, connector positions and orientation before disconnection.

What is the acceptance record for DS200TCQAG1A?
Keep as-found and as-left diagnostics, PROM inventory and functional test results.

When should a DS200TCQAG1A replacement be rejected?
Reject an unapproved group, firmware or connector mismatch pending engineering review.

Source and application boundary

GEH-5980E SPEEDTRONIC Mark V Turbine Control Maintenance Manual; TCQA card references.

This source identifies the TCQA card family and a group-1 execution; site-specific signal allocation depends on installed PROMs and 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	

Apter Power | Technical enquiry

sales13@apterpower.com | +86 18030235313

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