

DS200DTBBG1ABB

Installation and Verification Reference

The General Electric DS200DTBBG1ABB is identified by its DTBB family marking as a SPEEDTRONIC Mark V digital contact-input terminal board. The cited Mark V documentation places DTBB in the control-panel terminal-board architecture; the full G1ABB hardware revision must be matched to the installed board and unit-specific drawings.

Manufacturer	General Electric
Complete model	DS200DTBBG1ABB
Product description	SPEEDTRONIC Mark V DTBB Digital Contact Input Terminal Board
Prepared by	Apter Power
Document ID	AP-DS200DTBBG1ABB-IV-R1
Revision / issue	R1 / 2026-08-26

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

WHATSAPP / PHONE

EMAIL

WEBSITE

+86 180 3023 5313

sales13@apterpower.com

www.apterpower.com



SCAN FOR PRODUCT &
QUOTE

DS200DTBBG1ABB

1. System role

DTBB provides field termination for a bank of Mark V digital contact inputs and routes those signals to the compatible TCDA digital I/O board for conditioning, change-of-state time tagging and transfer over IONET. The terminal board does not execute turbine control logic; the Mark V control processors use the resulting digital states in the configured sequencing and protection application.

What the product handles

Digital contact inputs for the Mark V control panel. Mark V hardware references identify DTBB with contact-input signal numbers 47 through 96 and a documented input range of 24 to 125 VDC; use the unit-specific drawings for the actual terminal assignment and wetting source.

Required companion components

Mark V TCDA digital I/O board, QD/CD core hardware as installed, ribbon cables and power distribution, field switches/relay contacts, IONET communications and unit-specific I/O assignment drawings.

Where it is used

Gas- and steam-turbine Mark V panels that terminate field status, permissive, alarm or trip-related contact inputs used by the configured turbine-control application.

Pre-installation record

Parameter	Verified value
Identity	Record complete model DS200DTBBG1ABB and every revision/suffix from the nameplate
Evidence	Retain the named manufacturer publication and site-approved drawings
Configuration	Back up the approved controller, network or module configuration
Connections	Label cables, terminals, module positions and field wiring
Commissioning	Define a point-by-point or communication verification plan

2. Installation and commissioning controls

Recommended verification sequence

Parameter	Verified value
1 - Identify	Match the complete nameplate and physical construction
2 - Isolate	Follow site lockout, electrical-safety and ESD procedures
3 - Compare	Confirm companion hardware, cables, termination and revision compatibility
4 - Install	Use manufacturer mounting, grounding and environmental requirements
5 - Configure	Restore only the approved configuration and documented settings
6 - Test	Verify communications, diagnostics and every affected process or safety function
7 - Release	Record results and obtain the required site authorization

Model-specific precautions

- Use the unit-specific I/O assignment and wiring drawings; do not move a field wire based only on a generic DTBB terminal number.
- Isolate the Mark V contact-input wetting supply and verify absence of voltage before disconnecting the board or field wiring.
- After installation, verify TCDA communications, every affected contact state, alarm logic and trip permissive under an approved test plan.

Manufacturer publications

Manufacturer publication	Source access
GEH-5980E SPEEDTRONIC Mark V Turbine Control Maintenance Manual	Open source in a new window
GE Mark V / Mark VIe migration type-approval record (DTBB family reference)	Open source in a new window

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



SCAN FOR PRODUCT &
QUOTE

DS200DTBBG1ABB