IS200VCRCH1BBB

Discrete Input and Relay Output VME Board

Engineering reference for system fit, interface boundaries and exact-model technical decisions.

01 System position

Installed role Discrete Input and Relay Output VME Board	**Host platform** GE Mark VI turbine control
Evidence source GE Mark VI Turbine Control System Guide GEH-6421M	**Identity boundary** Use the complete marking and explicitly documented family relationships only.

02 Functional path

Field / companion side	Installed sensor, load, network, terminal or actuator
Exact product role	IS200VCRCH1BBB - Discrete Input and Relay Output VME Board
Host-system side	GE Mark VI turbine control
Decision output	Verified interface, configuration and acceptance boundary

03 Selection-critical relationships

Contact inputs	Map every configured path; the documented reference is 48 with external 24 V DC excitation.
Relay outputs	Map every configured path; the documented reference is 12 Form-C dry contacts.
Terminal-board relationship	Use TBCI/TICI input and TRLY relay families as configured only within the documented terminal-board relationship boundary.
Processor scan	Use Mark VI I/O processing only within the documented processor scan boundary.
Rack interface	Use VME backplane only within the documented rack interface boundary.
Redundancy	Use Simplex or TMR by project architecture only within the documented redundancy boundary.

04 Engineering data map

Electrical / signal domain

Contact inputs	48 with external 24 V DC excitation
Relay outputs	12 Form-C dry contacts
Terminal-board relationship	TBCI/TICI input and TRLY relay families as configured

Interface / processing domain

Processor scan	Mark VI I/O processing
Rack interface	VME backplane
Redundancy	Simplex or TMR by project architecture

Environmental / configuration domain

Status indicators	RUN, FAIL and STATUS

05 Diagnostic interpretation matrix

Observed issue involving Contact inputs	Compare the installed condition with 48 with external 24 V DC excitation; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Relay outputs	Compare the installed condition with 12 Form-C dry contacts; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Terminal-board relationship	Compare the installed condition with TBCI/TICI input and TRLY relay families as configured; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Processor scan	Compare the installed condition with Mark VI I/O processing; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Rack interface	Compare the installed condition with VME backplane; isolate field, interface and configuration causes before replacing hardware.

Observed issue involving Redundancy	Compare the installed condition with Simplex or TMR by project architecture; isolate field, interface and configuration causes before replacing hardware.
Observed issue involving Status indicators	Compare the installed condition with RUN, FAIL and STATUS; isolate field, interface and configuration causes before replacing hardware.

06 Engineering evidence record

Complete marking	IS200VCRCH1BBB plus visible revision and label details
Installed relationship	Verify IS200VCRCH1BBB, VME slot, connected terminal board, cable locations and simplex or TMR processor assignments.
Companion boundary	Rebuild the installed terminal-board and processor relationship before testing inputs and relay commands under controlled circuit power.
Configuration authority	Approved project backup, drawing or validated application record
Acceptance evidence	Recorded readings, diagnostic state and controlled functional result

07 Source and applicability ledger

Manufacturer reference	GE Mark VI Turbine Control System Guide GEH-6421M
Exact-model scope	IS200VCRCH1BBB
System scope	GE Mark VI turbine control
Use limit	Family values apply only where the manufacturer relationship is explicit; verify the installed execution.

08 Separate verified listings

GE IC220PBI002	VersaPoint PROFIBUS-DP Network Interface Module; separate listing, not an automatic substitute.
GE IC676PBI008	Eight-Point IP67 PROFIBUS Digital Input Block; separate listing, not an automatic substitute.
GE IS200TBTCH1CBB	Thermocouple Input Terminal Board; separate listing, not an automatic substitute.
GE IS200TRLYH1BED IS200TRLYH1B	Relay Output Terminal Board; separate listing, not an automatic substitute.
GE IS200VAICH1DAA IS200VAICH1D	Analog Input and Output VME Board; separate listing, not an automatic substitute.
GE IS200VSVOH1BDC IS200VSVOH1B	Servo Control VME Board; separate listing, not an automatic substitute.
GE IS200VVIBH1CAB IS200VVIBH1C	Vibration Monitoring VME Board; separate listing, not an automatic substitute.
GE IS215VCMIH2CC	VME Communications Interface Board; separate listing, not an automatic substitute.

Discuss system fit and exact marking with Apter Power.
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Quote the complete reference: IS200VCRCH1BBB