GE IS200VCRCH1BBC

Discrete I/O Board

GE IS200VCRCH1BBC is a full-revision VCRC Mark VI discrete I/O processor used with TBCI contact-input and TRLY relay-output terminal boards while preserving 1 ms event timing.

Job objective

Replace, install or verify the exact module without changing unrelated wiring, configuration, dimensions, weight or other stored product data.

Safe-work boundary

Identify Match the complete model and every suffix or secondary code.	**Isolate** Apply the plant-approved electrical and process isolation procedure.
Preserve Back up configuration and photograph all connections.	**Control** Use ESD protection and revision-controlled documentation.

Required evidence before work

Nameplate photo; slot/rack record; connector map; project backup where applicable; fault history; approved acceptance procedure.

Model-specific release focus

- Complete BBC revision retained for configuration control
- 48 contact inputs through two TBCI boards
- 24 relay outputs through two TRLY boards
- 1 ms sequence-of-events time stamping

Readiness checklist

Exact identity	GE IS200VCRCH1BBC matches the work order and physical unit
System position	Rack, slot and functional assignment are recorded
Configuration	Parameters, firmware or project data are backed up when applicable
Connections	Every cable, terminal, jumper and shield is labeled
Condition	Connector, board and packaging condition are inspected
Test plan	Expected states and acceptance evidence are agreed

Interface preparation

TBCI inputs	Two terminal boards route the documented 48 field-contact points
TRLY outputs	Two relay terminal boards route the documented 24 output points
VME rack	Provides processor communication, power and synchronized scan operation
Terminal ID	37-pin cable ID conductor identifies attached terminal hardware

Interface evidence for acceptance

- TBCI inputs: Two terminal boards route the documented 48 field-contact points
- TRLY outputs: Two relay terminal boards route the documented 24 output points
- VME rack: Provides processor communication, power and synchronized scan operation
- Terminal ID: 37-pin cable ID conductor identifies attached terminal hardware

03 / INSTALLATION SEQUENCE

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare old and replacement identities and revisions
3	Photograph and label all connections
4	Remove the existing module using ESD-safe handling
5	Inspect slot, connector, grounding and cooling path
6	Install the exact replacement without forcing connectors
7	Restore cables, jumpers and settings from the controlled record
8	Perform a final visual and continuity check before energization

STOP POINT

Do not energize if the model, slot, connector orientation, grounding, jumper state or documented system assignment is unresolved.

Configuration-control record

- Contact-input capacity: 48 points with two TBCI terminal boards
- Relay-output capacity: 24 points with two TRLY terminal boards
- Event time stamp: 1 ms for VCRC contact inputs
- I/O arrangement: TMR or simplex

Staged return to service

Stage	Action	Acceptance
Stage 1	Visual inspection and isolation release	Expected controlled result
Stage 2	Apply control power under observation	Expected controlled result
Stage 3	Confirm module recognition or status	Expected controlled result
Stage 4	Verify communication and affected signal paths	Expected controlled result
Stage 5	Exercise the documented function	Expected controlled result
Stage 6	Archive measured results and as-left configuration	Expected controlled result

Product-specific acceptance focus

1

Inspect the VME connector and all 37-pin cable connectors for bent or recessed contacts.

2

Load only the controlled Mark VI configuration assigned to this rack position.

3

Use an approved test permit before forcing inputs or relay outputs.

4

Verify BBC identity, terminal-board IDs, SOE timing, point logic and relay response before handover.

Commissioning decision points

- Inspect the VME connector and all 37-pin cable connectors for bent or recessed contacts.
- Load only the controlled Mark VI configuration assigned to this rack position.
- Use an approved test permit before forcing inputs or relay outputs.
- Verify BBC identity, terminal-board IDs, SOE timing, point logic and relay response before handover.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power, slot and connectors
3	Compare configuration and revision records
4	Test surrounding system before condemning the module
5	Restore a safe state and document the outcome

Apter Power handover record

Model identity	Keep the complete GE model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references	Scope note
GE IS200TBCIH1BBC	Portfolio reference only; verify compatibility independently.
GE IS200TREAH1A	Portfolio reference only; verify compatibility independently.
GE IS200TRTDH1CCC	Portfolio reference only; verify compatibility independently.

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Handover evidence to retain

- Exact identity retained: GE IS200VCRCH1BBC
- IS200VCRCH1BBC VCRC processor
- TBCI / TRLY termination
- Archive as-left checks and measured results before release.