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.

01	02	03	04
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

System position

Plant contact and relay circuits	TBCI / TRLY termination	IS200VCRCH1BBC VCRC processor	Mark VI rack and controller database

Evidence boundary

Only verified exact-model facts and explicitly identified family context are included. Similar codes are not treated as substitutes.

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

02 / CAPABILITY MAP

Engineering domains and architecture

Control platform	GE Mark VI
Board family	IS200VCRCH1B
Complete revision	IS200VCRCH1BBC
Bus format	Single-width VME I/O board

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

Interface architecture

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

Use cases with controlled scope

Revision-controlled spares

Maintains the exact BBC suffix in Mark VI maintenance records.

Contact event capture

Provides millisecond SOE timing for alarms, trips and permissives.

Relay output control

Routes commanded outputs to the paired TRLY terminal boards.

Distributed Mark VI I/O

Serves simplex or TMR discrete-I/O sections in the cabinet architecture.

INTEGRATION CHECKPOINTS

Identity

GE IS200VCRCH1BBC is preserved in full.

Host system

Rack, slot and surrounding hardware are verified.

Configuration

Project, firmware and settings are recorded.

Acceptance

Functional evidence is captured before release.

System relationship

Plant contact and relay circuits	TBCI / TRLY termination	IS200VCRCH1BBC VCRC processor	Mark VI rack and controller database

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

Decision matrix

Question	Answer
Why must the full GE IS200VCRCH1BBC code be retained?	BBC is part of the complete revision identity used for spare control and installed-equipment matching.
Which terminal boards connect to GE IS200VCRCH1BBC?	The documented VCRC arrangement uses two TBCI contact-input boards and two TRLY relay-output boards.
What contact-input capacity applies to GE IS200VCRCH1BBC?	Two TBCI boards provide 48 contact-input points.
What relay-output capacity applies to GE IS200VCRCH1BBC?	Two TRLY boards provide 24 relay-output points.

Eight release precautions

1

Do not replace GE IS200VCRCH1BBC with a suffix variant without an approved compatibility review.

2

Isolate rack power and all contact-wetting and relay-load sources before cable work.

3

Handle the board using grounded ESD protection and approved packaging.

4

Record the two TBCI and two TRLY cable assignments before removal.

5

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

6

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

7

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

8

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.

Product verification and support

Apter Power verification 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.

	Apter Power technical and sourcing support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com Scan for the Apter Power contact page.	Model record GE IS200VCRCH1BBC Discrete I/O Board Verify the complete nameplate before installation.

Handover evidence to retain

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