IS200VCRCH1BBB

Discrete Input and Relay Output VME Board

Complete product-page dossier for buyer review, technical screening and quotation preparation.

01 Product overview

IS200VCRCH1BBB combines forty-eight contact-input paths with twelve relay-output commands in the Mark VI VME control architecture.

Mixed discrete processing

One VME card handles large contact-input groups and controlled relay-output commands.

Architecture-dependent voting

Simplex and TMR installations use different processor and terminal-board relationships.

Connector-aware diagnostics

Board IDs and cable locations help distinguish configuration mismatch from field faults.

IS200VCRCH1BBB is a VCRC-family Mark VI discrete input/output board. The manual assigns contact-input and relay-output processing to the VCCC/VCRC architecture; the final suffix remains a revision identifier.

Input operation depends on excitation and terminal-board grouping, while relay output behavior depends on the fitted TRLY execution and project voting. Channel count alone is not enough for substitution.

Before exchange, export I/O configuration and record rack slot, terminal boards, cables and active states. After fitting, verify board recognition, representative contacts, relay commands, feedback and TMR agreement where used.

02 Buyer identity

Manufacturer part number	IS200VCRCH1BBB
Product type	Discrete Input and Relay Output VME Board
System / platform	GE Mark VI turbine control
Lifecycle statement	Installed-base Mark VI VME I/O board

03 Published technical data

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

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

Status indicators	RUN, FAIL and STATUS

04 Applications / compatibility

Turbine permissive inputs

Acquire breaker, valve and auxiliary-contact states.

Alarm and trip relay control

Command documented relay outputs through the fitted terminal board.

TMR discrete voting

Process redundant contact and output paths in approved architectures.

Mark VI rack maintenance

Restore board, cable and terminal-board identity.

05 Product precautions

Export I/O assignments

Retain every input and relay mapping.

Record the terminal boards

Capture TBCI/TICI/TRLY execution.

Control relay power

Isolate customer-powered contacts before work.

Preserve cable location

Label JR, JS, JT or rack connections.

Test inputs separately

Verify excitation and state.

Test outputs under permit

Confirm command, contact and process feedback.

06 Lifecycle, available unit and technical notes

Lifecycle Status

Installed-base Mark VI VME I/O board. Rebuild the installed terminal-board and processor relationship before testing inputs and relay commands under controlled circuit power.

Available Unit Details

Offered reference: GE IS200VCRCH1BBB. Verify IS200VCRCH1BBB, VME slot, connected terminal board, cable locations and simplex or TMR processor assignments. Confirm the VME board and only the cable assemblies or terminal hardware explicitly named in the offer in the quotation.

Technical notes

Input-group baseline: Record normal contact states, wetting paths and voting expectations for the forty-eight inputs. Relay-circuit isolation: Identify customer power, contact form, suppression and final-device feedback for each used output. Mixed-I/O validation: Test representative input groups and all affected relay channels while comparing controller diagnostics.

07 Engineering FAQ

Which field interfaces must be documented for IS200VCRCH1BBB?	Record the contact-input terminal board, relay-output terminal board, all rack cables and their connector locations.
How are the 48 inputs of IS200VCRCH1BBB energized?	The Mark VI overview specifies external 24 V DC excitation; field grouping must follow the installed terminal-board design.
What output form is associated with IS200VCRCH1BBB?	The architecture supports twelve Form-C dry-contact relay outputs through the documented relay terminal board.
Why can a VCCC card not be assumed equivalent to IS200VCRCH1BBB?	They share functions but may differ in revision, compatibility and project configuration.
How should TMR disagreement involving IS200VCRCH1BBB be investigated?	Compare R, S and T inputs, cables, terminal-board ID and configured voting before replacing field devices.
What relay test is appropriate after fitting IS200VCRCH1BBB?	Use an approved output command and confirm coil or contact feedback and the intended process response.
Which status indications should be stable on IS200VCRCH1BBB?	RUN should show normal operation, FAIL should remain clear and STATUS should have no unresolved diagnostic alarm.
Which contact-input and relay-output results confirm IS200VCRCH1BBB?	Retain representative input-state and voting results, tested relay contact transfer, clear diagnostics and expected final-device feedback.

08 Quotation and handover

Match the complete marking	Match IS200VCRCH1BBB, revision and visible labels.
Review the reference	Send the complete IS200VCRCH1BBB marking, label photos and required quantity.
Confirm the offer	Review the offered revision, condition, included items and documents for IS200VCRCH1BBB.
Arrange dispatch	Confirm quantity, dispatch date and delivery details for IS200VCRCH1BBB in the quotation.

09 Separate verified listings

Emerson PR6423/10R-010 CON021
Eight-Millimetre Eddy-Current Sensor and Converter Assembly; separate listing, not an automatic substitute.

HIMA Z7127
Eight-Channel Analog Input Front Cable Plug; separate listing, not an automatic substitute.

Request current photographs and written quotation details from Apter Power.
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Quote the complete reference: IS200VCRCH1BBB