HIEE400995R2 UMB015 BE02

01 / Identify the exact assembly

ABB HIEE400995R2 UMB015 BE02 is a dual-channel interface circuit board. The offered assembly carries HIEE400995R2 and UM B015 BE02 and presents four D-sub ports arranged in two labelled channel groups for its installed cabinet position.

Identity control

Compare both ABB markings with the installed position

Cable map

Record the original faceplate connection sequence

Handling control

Protect exposed rear mating contacts during exchange

Acceptance focus

Confirm host status and connected circuits after installation

Marking and visible construction

Board form	Rack-format open circuit board
ABB label position	Printed labels along the rear connector edge

Identity boundary

Physical markings and construction describe the HIEE400995R2 UMB015 BE02 assembly. Voltage, current, pinout, protocol and host-platform limits depend on the matching installed system documentation.

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02 / Trace the installed interfaces

Map both connectors within each channel group and record the switch bank before releasing the rear mating connectors. Keep R2 and BE02 together in the replacement identity; other UMB015 suffixes cannot be assumed equivalent. A photograph of the existing slot and each plug provides a useful baseline before the cabinet is isolated.

Daughterboard	Vertical plug-in board fitted	**Status hardware**	Front indicator lenses
Cable control	Trace paired channel leads individually		

Connection decisions

How should cables be recorded before removing ABB HIEE400995R2 UMB015 BE02?

Map both connectors within each channel group and record the switch bank before releasing the rear mating connectors. Mark both cable ends and the original socket or terminal position so reassembly is traceable.

Does the visible connector arrangement on ABB HIEE400995R2 UMB015 BE02 define its pinout?

The front labels identify two physical channel groups, but the respective signals and pin assignments require the installed wiring schedule. Use the installed ABB wiring drawing and verify each lead before connecting field power.

Can another ABB board with a similar faceplate replace HIEE400995R2 UMB015 BE02?

Keep R2 and BE02 together in the replacement identity; other UMB015 suffixes cannot be assumed equivalent. Check the full code, board revision, rear mating interface and host configuration before considering an alternative.

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03 / Protect the board and cables

Isolate before handling

Follow the cabinet lockout and discharge procedure before touching the open circuit board or rear mating contacts.

Capture the baseline

Map both connectors within each channel group and record the switch bank before releasing the rear mating connectors.

Control electrostatic damage

Handle the board by its faceplate or edges and use the site-approved ESD work area and packaging.

Inspect both mating sides

Check front sockets, rear pins, retaining hardware and guide rails for bent contacts or contamination.

Avoid function assumptions

The front labels identify two physical channel groups, but the respective signals and pin assignments require the installed wiring schedule.

Prove the installed circuit

Restore power under the approved plan; compare indicators, host diagnostics and the relevant field signals with the pre-work record.

Before power returns

The front labels identify two physical channel groups, but the respective signals and pin assignments require the installed wiring schedule. Commissioning therefore depends on the actual ABB equipment drawing, circuit labels and approved site test plan; distinguish a physical connector match from functional compatibility.

What should be inspected on the rear of ABB HIEE400995R2 UMB015 BE02?

Inspect two long multipin connectors fitted to the board, guide alignment and contact condition. A bent or contaminated mating pin can create an intermittent fault even when the front wiring appears correct.

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04 / Application boundaries

The board belongs to an installed ABB cabinet or rack; the host slot, external cable harness and powered field circuits define the complete installation.

Exact-position exchange

Keep R2 and BE02 together in the replacement identity; other UMB015 suffixes cannot be assumed equivalent.

Cable-map retention

Map both connectors within each channel group and record the switch bank before releasing the rear mating connectors.

Cabinet maintenance

Compare faceplate hardware, rear connectors and board clearance with the installed assembly before a planned shutdown.

Post-installation proof

Use the host system diagnostic and circuit test procedure to verify the functions connected to the actual board position.

Compatibility decisions

What identifies the exact ABB HIEE400995R2 UMB015 BE02 assembly during replacement?

Use the complete HIEE400995R2 and UM B015 BE02 marking together with the photographed faceplate and rear connector arrangement. A shortened family code does not establish the same revision or circuit role.

Can another ABB board with a similar faceplate replace HIEE400995R2 UMB015 BE02?

Keep R2 and BE02 together in the replacement identity; other UMB015 suffixes cannot be assumed equivalent. Check the full code, board revision, rear mating interface and host configuration before considering an alternative.

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05 / Acceptance and handover

Baseline

Record both ABB label parts, cabinet position, connector orientation and visible switch settings before removal.

Cable plan

Map both connectors within each channel group and record the switch bank before releasing the rear mating connectors.

Mating review

Compare front and rear contact condition with the removed board before seating and fastening the replacement.

Functional proof

Check host status, local indications and affected circuits with the approved site test sequence.

What functional check completes an ABB HIEE400995R2 UMB015 BE02 exchange?

Verify the replacement marking and cable map, energize under the approved site plan, then check the host diagnostic state and every affected connected circuit against the as-left acceptance record.

Technical identity: ABB HIEE400995R2 / UM B015 BE02 markings, two channel groups and visible hardware on supplied unit photographs.

Technical enquiry

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