HIEE300025R2 VDA330 A02

01 / Product identity and electrical data

ABB HIEE300025R2 VDA330 A02 is a multi-connector interface circuit board. The offered assembly carries HIEE300025R2 and VDA330 A02 and presents two rows of multiple D-sub connectors with numbered positions for its installed cabinet position.

Board form	Rack-format open circuit board	**ABB label position**	Printed labels along the rear connector edge
Field cable access	Front faceplate	**Front connector layout**	Two rows of numbered D-sub sockets
Rear mating points	Two long multipin plug connectors	**Front indications**	Two small status indicators visible
Board architecture	Repeated IC and passive-component groups	**Faceplate**	Screw-secured rack faceplate and retaining handles
Cable control	Identify each D-sub lead by original socket position		

Source boundary

Physical markings and construction describe the HIEE300025R2 VDA330 A02 assembly. Voltage, current, pinout, protocol and host-platform limits depend on the matching installed system documentation.

Exchange decision

An illuminated indicator shows a local state only; its diagnostic meaning depends on the matching ABB equipment documentation. Confirm host alarms and measured circuit behavior before treating it as a pass.

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02 / Application and compatibility

Exact-position exchange

Match R2 and A02 as a complete pairing and compare the host slot and cable schedule; connector shape alone does not prove interchangeability.

Cable-map retention

Record every D-sub cable identifier and front-panel socket position before removal; physically identical plugs can serve different circuits.

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.

Field precautions

Isolate before handling

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

Capture the baseline

Record every D-sub cable identifier and front-panel socket position before removal; physically identical plugs can serve different circuits.

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.

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03 / Technical decisions and support

What identifies the exact ABB HIEE300025R2 VDA330 A02 assembly during replacement?

Use the complete HIEE300025R2 and VDA330 A02 marking together with the photographed faceplate and rear connector arrangement. A shortened family code does not establish the same revision or circuit role.

Does the visible connector arrangement on ABB HIEE300025R2 VDA330 A02 define its pinout?

The connector pattern is visible; signal direction, pinout and protocol are not established by the exterior marking alone. Use the installed ABB wiring drawing and verify each lead before connecting field power.

How should cables be recorded before removing ABB HIEE300025R2 VDA330 A02?

Record every D-sub cable identifier and front-panel socket position before removal; physically identical plugs can serve different circuits. Mark both cable ends and the original socket or terminal position so reassembly is traceable.

Can another ABB board with a similar faceplate replace HIEE300025R2 VDA330 A02?

Match R2 and A02 as a complete pairing and compare the host slot and cable schedule; connector shape alone does not prove interchangeability. Check the full code, board revision, rear mating interface and host configuration before considering an alternative.

Technical basis: ABB HIEE300025R2 / VDA330 A02 markings and visible connector layout on supplied unit photographs.

Technical enquiry

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