

AMIKON TECHNICAL DOCUMENTATION

Replacement Reference

ABB 3BHE036342R0101 XD D501 A101

Qualified personnel and project documentation required

DOCUMENTATION REFERENCE

3BHE036342R0101

XDD501A101

ABB

SAFETY AND SCOPE

No exact-board ABB installation instruction was located. Isolate hazardous energy under the site's approved procedure, use ESD controls and follow the controlled project documentation.

01 IDENTITY CHECK BEFORE WORK

Complete identifier	3BHE036342R0101 XD D501 A101
Order code	3BHE036342R0101
Board designation	XDD501A101
Installed system	Confirm from cabinet and project documentation
Rack / slot / connectors	Record before removal; compare with replacement
Hardware and software	Confirm approved equivalence before commissioning

02 BEFORE REMOVAL

- Restrict work to qualified personnel familiar with the installed system.
- Complete the site's lockout, isolation and verification procedure.
- Use an antistatic wrist strap and ESD-safe handling methods.
- Photograph and label every cable, connector and optical-fiber position.

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CONDITIONAL REPLACEMENT WORKFLOW

1

CONFIRM SCOPE

Verify the complete board identity, installed system, rack position and controlled drawing revision.

2

ISOLATE

Apply the approved site safety procedure and verify the equipment is safe to work on.

3

DOCUMENT

Record connector keys, cable labels, optical fibers, jumper positions and board revision without altering them.

4

REMOVE

Use ESD protection and the project-specific removal procedure; do not force connectors or board guides.

5

COMPARE

Confirm the replacement has the approved identifier, hardware configuration and compatible software or firmware.

6

RECONNECT

Restore every cable and optical fiber to the recorded position and inspect seating and strain relief.

7

AUTHORIZE

Obtain the required system-owner or ABB approval before energization when compatibility is uncertain.

APPLICABILITY

ABB PCS6000 manual pages 85 and 90-91 support the general ESD, cable-identification and configuration checks above only when the installed system matches that manual.

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PRE-ENERGIZATION AND HANDOVER CHECKLIST

Identifier	Complete order code and board designation match the approved replacement record
Mechanical	Board is correctly seated; connectors and retainers are secure
Connections	Cable, connector and optical-fiber positions match the removal record
Configuration	Hardware settings and required software/firmware are approved for the installed project
Safety	Tools, temporary grounds and ESD equipment are cleared under the site procedure
Commissioning	System owner has approved energization and the applicable functional test
Records	Photos, nameplate, revision and work results are retained in the maintenance record

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OFFICIAL REFERENCE AND LIMITATIONS

OPEN ABB PCS6000 SERVICE MANUAL

Source: ABB PCS6000 Service Manual, 3BHS600000 E80 Rev F, especially PDF pages 85 and 90-91. The exact board identifier is not named in that manual.

DO NOT INFER MISSING SPECIFICATIONS

Terminal functions, voltage, current, dimensions, weight, firmware compatibility and final commissioning criteria must come from the controlled project documentation or written ABB confirmation.

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