01 / Identity and job scope

ABB

ZMU-02 3AXD50000006010A

Memory Unit

Product role

ABB ZMU-02 3AXD50000006010A is offered as a removable drive memory unit for compatible ABB control-unit configurations.

Memory program
Host-specific configuration

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Control unit
Program execution

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Converter
Configured drive hardware

Applicability

The memory-unit role and maintenance relationships describe the ZMU-02 design. The offered 3AXD50000006010A marking is retained; firmware, license content and interchangeability require confirmation for the actual unit and host.

Hardware and configuration

The ZMU-02 design is a removable memory unit used in ABB drive control arrangements. The manufacturer reference for the base 3AXD50000006010 kit identifies an empty memory unit without software. The offered full marking remains 3AXD50000006010A, and its actual loaded program and license content must be established from the supplied unit rather than inferred from the suffix.

Planning basis

This Apter Power guide supports identification and engineering planning. Apply the complete manufacturer and machine-builder procedures for the actual installation.

02 / Configuration and interface readiness

Item	Configuration relationship
Unit type	Removable drive memory
Design family	ZMU-02
Base reference	3AXD50000006010
Offered marking	3AXD50000006010A
BCU connection	X205 MEMORY UNIT
Listed host designs	ZCU-12, ZCU-14, BCU-02, BCU-12, BCU-22
Diagnostic card distinction	Separate from the BCU SDHC data-logger card

Technical context

The base ZMU-02 host list includes ZCU-12, ZCU-14, BCU-02, BCU-12 and BCU-22. In BCU equipment, the converter memory connects at X205 and is separate from the SDHC card used for converter diagnostic data. Before installation, the memory-unit program label must match the converter hardware and intended control application.

Where does ZMU-02 3AXD50000006010A connect in the BCU design?

The converter memory-unit connection is X205 MEMORY UNIT.

Is ZMU-02 3AXD50000006010A the same as the BCU SDHC card?

No. The removable converter memory and the SDHC card used for optical-link diagnostic data are separate components.

03 / Installation and connection decisions

Keep the full marking

Retain ZMU-02 and 3AXD50000006010A on the enquiry and service record.

Remove control power

Do not insert or withdraw converter memory while its control unit is powered.

Verify the program label

Match the control-program identity to the converter hardware.

Check software content

Confirm the actual firmware and application licensing before commissioning.

Installation context

ABB memory replacement requires the control unit to be unpowered before removal or insertion. The retaining screw is removed for withdrawal and refitted after the replacement is seated. For ACS880 spare-part planning, ABB directs users to ZMU-03 3AXD50000223107 rather than recommending the base ZMU-02 kit; the actual replacement must still be checked against the installed hardware and software.

Which hosts are listed for the base design of ZMU-02 3AXD50000006010A?

The ZMU-02 base reference lists ZCU-12, ZCU-14, BCU-02, BCU-12 and BCU-22. Confirm the actual hardware and software combination for the offered full marking.

Can ZMU-02 3AXD50000006010A be replaced with control power present?

No. The BCU maintenance procedure requires the control unit to be unpowered before the memory unit is removed or inserted.

04 / Functional acceptance planning

Application	Controlled review
Drive memory servicing	Match the removable memory program and configuration to the control unit and converter.
Control-unit replacement	Retain the correct program identity while planning an approved host replacement.
Program-content review	Establish loaded firmware and licensing from the actual unit before installation.
Diagnostic separation	Distinguish converter program memory from the separate BCU SDHC fault-data card.

What mechanical step retains ZMU-02 3AXD50000006010A in a BCU host?

The memory unit is secured by a retaining screw, which is removed for withdrawal and refitted after insertion.

What ACS880 service boundary applies when considering ZMU-02 3AXD50000006010A?

ABB recommends ZMU-03 3AXD50000223107 for ACS880 spare-part use instead of the base ZMU-02 kit. Confirm the appropriate replacement against the installed configuration.

Release boundary

Refit the retaining screw and verify drive initialization and configuration before release.

Record
Keep the original configuration

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Test
Observe controlled response

>

Release
Authorize normal operation

05 / Technical handover and support

Retained information

Keep the complete ZMU-02 3AXD50000006010A marking, host identity, connection photographs, configuration backup and controlled-test results in the service record.

Support planning

Confirm current support and replacement guidance with ABB for the installed identity and configuration. Apter Power availability and dispatch are separate quotation matters.

Reference basis

ABB ZMU-02 product information, 3AXD50000006010; BCU-02/12/22 Control Units Hardware Manual, 3AUA0000113605 Rev. D.

Apter Power technical summary; not a manufacturer-issued manual. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

ABB SNAT603CNT

ABB SNAT601TAI

ABB SAMC 11

Discuss your installed configuration

Send the full unit marking and connection details.

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