ZINT-592 3AXD50000037931

Exact-identity installation and commissioning guide

PRODUCT SCOPE

ABB ZINT-592 3AXD50000037931 is a pre-rated main-circuit interface board supplied for CCU-24 controlled ACS580, ACH580 and ACQ580 drive modules in frame sizes R8-R9. Its PU type and RatingID are preloaded for the ordered spare identity.

Verified installation basis

ABB article number	3AXD50000037931
Type designation	ZINT-592 WITH RATING CCU-24 SP
Product class	Main-circuit interface board
Rating state	PU type and RatingID preloaded
RatingID handling	Not changeable after supply
Control unit	CCU-24
Drive families	ACS580, ACH580 and ACQ580

Verified related ApterPower product pages

ABB DI811 3BSE008552R1

ABB TU831V1 3BSE013235R1

Pre-work control

Record the installed system before any disconnection

Required checks

- Record the complete ZINT-592 3AXD50000037931 marking and installed drive nameplate.
- Place the drive and connected process in the approved safe maintenance state.
- Verify that the control unit is CCU-24 rather than CCU-12 before board exchange.
- Check the CCU-24 manufacturing week and software revision against the published boundary.
- Preserve the original PU type, RatingID, drive family and R8-R9 frame record.
- Inspect board connectors, retaining points and adjacent hardware before installation.

HOLD POINT

Confirm ZINT-592 3AXD50000037931, the installed R8-R9 drive module, CCU-24 hardware date and software revision before replacement.

Evidence to retain

- Complete product and installed-unit marking.
- Approved project, wiring and cabinet records.
- As-found connector, cable, address and diagnostic state.
- Acceptance plan and final results.

Verified related ApterPower product pages

ABB DSBC174 3BSE012211R1

ABB SR511 3BSE000863R1

Installation sequence

Use the approved manufacturer procedure and site work controls

1 IDENTIFY

Record the complete ZINT-592 3AXD50000037931 marking and installed drive nameplate.

2 ISOLATE

Place the drive and connected process in the approved safe maintenance state.

3 RECORD

Verify that the control unit is CCU-24 rather than CCU-12 before board exchange.

4 VERIFY

Check the CCU-24 manufacturing week and software revision against the published boundary.

5 INSTALL

Preserve the original PU type, RatingID, drive family and R8-R9 frame record.

6 RESTORE

Inspect board connectors, retaining points and adjacent hardware before installation.

CONFIGURATION CONTROL

The complete article number distinguishes this rated spare from the non-rated ZINT-592 service board. Before replacement, record the drive family, frame size, control-unit type, manufacturing date and CCU-24 software revision. The published compatibility boundary requires a CCU-24 manufactured after week 25 of 2017 with software version 2.03.0.4 or later; if the installation uses CCU-12, the control-unit conversion must be handled through an approved ABB service plan.

Verified related ApterPower product pages

ABB 07DI92

ABB 07KT92 GJR5250500R0902

Commissioning and acceptance

Return each affected function to its approved state

Identity	Record the complete ZINT-592 3AXD50000037931 marking and installed drive nameplate.
Configuration	Inspect board connectors, retaining points and adjacent hardware before installation.
Physical installation	Confirm that the control unit recognizes the pre-rated interface without reprogramming its RatingID.
Functional acceptance	Complete the approved drive diagnostics and record acceptance results before release.
Diagnostics	Confirm that no unexplained product, communication or system diagnostic remains.
Release record	Document the final configuration, observed states, test results and responsible technician.

Verified related ApterPower product pages

- ABB 07KR91 GJR5250000R0101
- ABB 07KP90 GJR5251000R0202
- ABB SPAJ140C
- ABB SPAM150C

Handover record

Traceable evidence for the installed product

Final acceptance

- Preserve the original PU type, RatingID, drive family and R8-R9 frame record.
- Inspect board connectors, retaining points and adjacent hardware before installation.
- Confirm that the control unit recognizes the pre-rated interface without reprogramming its RatingID.
- Complete the approved drive diagnostics and record acceptance results before release.

Manufacturer evidence used

- Exact-code product record for 3AXD50000037931 and the ZINT-592 WITH RATING CCU-24 SP identity.
- Independent exact-code catalog cross-check for the CCU-24 software, manufacturing-week and R8-R9 application boundaries.
- ABB drive-family service context for ACS580, ACH580 and ACQ580 control architectures.

Verified related ApterPower product pages

ABB CMA130 3DDE300410

ABB PM864AK01 3BSE018161R1

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