ABB ZINT-571 3AUA0000077333 Main Circuit Interface Board

IDENTITY, COMMERCIAL FACTS AND SPECIFICATION

PRODUCT ROLE

ABB ZINT-571 3AUA0000077333 is a main circuit interface board in the applicable ACS880 drive family. The offered item is a single bare board; its exact drive rating and replacement suitability must be checked against the installed drive identity.

OFFERED PRODUCT

Manufacturer part number
ZINT-571 3AUA0000077333

Shipping
Swift global dispatch

Condition
New, original product

Shipping size (est.)
19.6cm x 17.4cm x 4.5cm

Country of Origin
Sweden

Ship from
Xiamen, Fujian, China

PUBLISHED TECHNICAL SPECIFICATIONS

Manufacturer	ABB
Product Category	Servo Drives
Spare Part Number	3AUA0000077333
Weight	0.25 kg
Tariff Code	8537101190
Product identity	ZINT-571 3AUA0000077333
Board class	Main circuit interface board
Supply scope	Single bare board
Associated drive family	ACS880-01, subject to installed configuration
Associated control unit	ZCU in the documented board family
Control-side link	37-pin D-sub in ABB ZINT-571 / -592 family description
Interface function	Internal power supply; family description
Power-stage function	Gate drivers; family description
Brake-control function	Braking chopper driver; family description
Measurement function	ADC measurements; family description
Input-stage function	Input bridge control interface; family description
Auxiliary function	Main fan interface; family description
Drive-family class	380-500 V three-phase ACS880-01 grouping; not a bare-board rating
Spare selection	ABB directs rated spare selection to ZINT/BINT board procedure
Installation identity	Verify drive frame, ZCU and rating ID before interchange

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BUYER INFORMATION AND SERVICE CONTEXT

OVERVIEW

ABB ZINT-571 3AUA0000077333 is the offered bare main circuit interface board for an applicable ACS880 drive arrangement.
Product type: Main circuit interface board
Control-side relationship: ZCU through a 37-pin D-sub family interface
Supply scope: Single bare board; rated spare kit not included
ABB identifies 3AUA0000077333 as ZINT-571. Its catalog record separates this board identity from rated spare-board ordering. The supplied board therefore needs a comparison with the removed unit and the installed drive type before a service substitution is approved.

In ABB's ACS880 board-family presentation, the ZINT-571 / -592 interface family sits between the ZCU control unit and main-circuit functions. The group description includes gate driving, ADC measurement, braking-chopper control and the input-bridge interface. These are functional relationships, not standalone board terminal ratings.

The ACS880-01 family diagram groups ZINT-571 with a 380-500 V three-phase drive class. Confirm the actual frame, control unit, board label and rating identity using the installed drive record. A drive-class label cannot establish direct interchangeability of an unrated bare board.
Controller platform reference: ACS880-01 drive board family. Resolve the rated-spare selection for the installed drive before replacement.

APPLICATIONS / COMPATIBILITY

System relationship: ABB documents ZINT-571 in the ACS880-01 board family. This supply is a bare board; selection requires the installed drive identity and rating context.

Application boundary: Verify the exact drive frame, ZCU and service-board rating before transfer to an operating installation.

Main-circuit interface
The ZINT board-family presentation places internal supply, gate driving and measurement at the control-to-power boundary. Follow the actual drive drawing for connection mapping.

Control unit pairing
The family description shows a 37-pin D-sub relationship to ZCU. Match the installed cable, control unit version and connector condition.

Frame and voltage class
The ABB board map groups ZINT-571 in a 380-500 V three-phase drive family. This does not specify the board input supply or authorize every frame.

Rated spare boundary
ABB treats the board code separately from a rated service kit. Confirm whether the installed application needs rating ID preparation.

LIFECYCLE STATUS

ZINT-571 3AUA0000077333: A current manufacturer lifecycle phase for this bare-board code has not been established. ABB distinguishes the code from its rated spare-board selection process.

Support planning: Match the drive frame, control unit and rating identity before selecting a service replacement. Apter Power availability is separate from the manufacturer lifecycle phase.

PRODUCT PRECAUTIONS

Before handling ZINT-571 3AUA0000077333, make the ACS880 installation electrically safe and retain the original drive and board identities.

Verify isolation
Follow the ACS880 hardware manual: lock out supplies, allow DC-link discharge and measure for absence of voltage before work.

Preserve interfaces
Photograph the installed board, control cable and power-stage connections before removal. Do not infer pinout from family illustrations.

Resolve rating identity
Compare drive type, frame, existing board code and rating ID with ABB service-board selection guidance.

Record acceptance
After reassembly, check parameters, fan operation, diagnostics and approved functional tests before release.

DOWNLOADS

An applicable original manufacturer technical reference or an Apter Power technical reference is listed in Downloads, followed by the Apter Power engineering technical data PDF. The View PDF control opens this complete product information dossier.

AVAILABLE UNIT DETAILS

Identification: Offered item is the single ABB ZINT-571 3AUA0000077333 bare main circuit interface board, not a rated spare kit. Country of origin: Sweden. Condition: New, original product.

Supply confirmation: Request images of the complete board marking and connector faces and compare the actual supplied unit with the installed drive documentation.

ALTERNATIVE NAMES

ZINT-571; 3AUA0000077333

TECHNICAL NOTES

Integration relationship: ZINT-571 belongs to the ABB ACS880-01 main-circuit interface board family. Confirm the installed drive frame, ZCU arrangement and rating identity before accepting this bare board as a replacement.

Electrical safety: Follow the applicable ACS880 hardware manual for isolation, DC-link discharge and measured absence of voltage before handling the board.

Technical reference: ABB ACS880 board-family presentation and ABB catalog identity for ZINT-571 3AUA0000077333. Family functions do not establish a standalone electrical rating for the offered board.

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ENGINEERING FAQ AND ORDERING CHECKS

ENGINEERING QUESTIONS

Q01 How should an engineer determine whether ZINT-571 3AUA0000077333 can replace the installed interface board?

Compare the full removed-board identifier, drive type and frame, ZCU arrangement and rating ID. ABB distinguishes the bare board code from the rated spare-board procedure, so a matching family name alone does not prove interchangeability.

Q02 What evidence is needed to approve ZINT-571 3AUA0000077333 for a specific ACS880 drive rating?

Read the drive type and rating label and compare the installed board configuration with ABB rated-spare guidance. The ACS880 family voltage grouping is not an individual bare-board electrical rating.

Q03 How can the control connection of ZINT-571 3AUA0000077333 be checked before a board swap?

The ABB board-family presentation identifies a 37-pin D-sub link to ZCU. Photograph the actual connector and cable routing, then compare them with the drive-specific drawing before disconnection.

Q04 What must be isolated before technicians handle ZINT-571 3AUA0000077333?

Use the ACS880 hardware manual for the installed drive: isolate and lock all supplies, allow the DC-link discharge interval, and measure the input and DC terminals against PE. A qualified electrician should confirm the safe state.

Q05 If a drive reports a gate-drive or measurement fault, does ZINT-571 3AUA0000077333 automatically need replacement?

No. The ABB family presentation places those interfaces on ZINT, but the fault may originate in wiring, gate adapters, sensors or the power stage. Capture the diagnostic history and isolate the failed circuit with the drive service procedure.

Q06 How should the fan interface be assessed when fitting ZINT-571 3AUA0000077333?

ABB assigns a main-fan interface to the ZINT family. Confirm the actual frame fan assembly, connector and cable path against the installed drive drawing, then test the fan under the approved commissioning procedure.

Q07 What configuration records should be retained before changing ZINT-571 3AUA0000077333?

Record the drive type and serial label, ZCU version, rating ID, parameter backup, board labels, connector positions and fault log. These records support both spare selection and post-exchange comparison.

Q08 How should a replacement ZINT-571 3AUA0000077333 be accepted after installation?

After the site-approved power-up, compare rating identity, parameters, diagnostic state and fan operation with the as-found record. Perform the drive-specific functional test before returning the machine to service.

WHAT HAPPENS AFTER YOU ENQUIRE / ORDERING VERIFICATION

Review your reference

Share the complete ZINT-571 3AUA0000077333 board marking and the installed drive identity for a part-number check.

Confirm the offer

We confirm that the offered ZINT-571 3AUA0000077333 is a single board and identify any included items in the written quotation.

Arrange dispatch

After quotation approval, we confirm protective packing and shipment details for the agreed board quantity.

Match the complete marking

Include ZINT-571 3AUA0000077333 in full and compare it with the removed board, drive type label and service records. Retain any additional rating or assembly marking shown on the installed unit.

Check the offered item before ordering

Request current label and connector photos. Have the maintenance team compare the offered ZINT-571 3AUA0000077333 bare board with the installed drive and ABB rated-spare guidance before approving a replacement.

Technical enquiry

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