

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB XVC772A102 3BHE032285R0102

High Voltage Divider Board Verification Guide

ABB Varnished High Voltage Divider (HVD) board

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited ABB manufacturer sources. No product photograph is included.

Product / lookup identity	ABB XVC772A102 3BHE032285R0102
Reference number	3BHE032285R0102
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/xvc772a102-3bhe032285r0102>

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Divider-board verification path

ABB XV C772 A102, product ID 3BHE032285R0102, is a varnished High Voltage Divider board listed by ABB for ACS2000 medium-voltage drives. Within the ACS2000 input filtering unit section, its verified system function is the high-voltage-divider function.

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| 01 | Within the ACS2000 input filtering unit section, its verified system function is the high-voltage-divider function. ABB identifies the board in the IFU assembly and in configuration-specific resistor-box or filter-assembly parts layouts. |
| 02 | The official designation establishes a voltage-divider signal path, but ABB's public records reviewed here do not publish the board input range, division ratio, output level, accuracy, connector pinout, or the receiving measurement channel. It must not be described as a digital I/O, communication, current-measurement, or general PLC controller board. |
| 03 | The verified equipment context is the ABB ACS2000 air-cooled medium-voltage drive used to control standard induction motors. Installation requires the exact ACS2000 configuration, the current IFU parts drawing, and confirmation of the surrounding relay, synchronization, IGBT-supply, and optical-interface components. |

ACS2000 configuration boundaries

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| 01 | Verification Status: VERIFIED_EXACT_TYPE_AND_PRODUCT_ID |
| 02 | Exact Mapping: ABB maps product ID 3BHE032285R0102 to type designation XV C772 A102 and catalog description XV C772 A102; HVD- BOARD VARNISHED. |
| 03 | Verify both 3BHE032285R0102 and XV C772 A102 on the ABB record or physical board label. |

High-voltage divider readiness checks

01	Verify 3BHE032285R0102 and XV C772 A102 on the board label and current ACS2000 parts list before work.
02	Treat the IFU as medium-voltage equipment and follow the exact ABB isolation, discharge, grounding, and lockout procedure before access.
03	Use ESD controls and protect the varnished board coating, connectors, and mounting points from contamination or mechanical damage.
04	Do not publish or configure a division ratio, voltage range, pinout, accuracy, or insulation value without an exact ABB drawing or manual.
05	Confirm every surrounding board, relay, connector, cable, and configuration position from the exact ACS2000 revision before energization.
06	After replacement, perform only the commissioning and diagnostic checks specified by the current ABB drive manual.

Identity and release controls

Verification Status	VERIFIED_EXACT_TYPE_AND_PRODUCT_ID
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Official ABB sources

ABB 3BHE032285R0102 Product Details	https://new.abb.com/products/3BHE032285R0102/3bhe032285r0102
ABB ACS2000 Spare Parts Manual, Revision D	https://library.e.abb.com/public/ea6d2b0797020fe585257cd8006e9970/2UEB000131_REV_D_Spare_Part_Manual_Web.pdf
ABB ACS2000 Parts Catalog, Revision B	https://library.e.abb.com/public/a959b1339cfc534bc1257b9f004098c4/Part_Catalog_ACS2000_2UEB000131_RevB_Web.pdf
ABB ACS2000 DFE User Manual, Revision K	https://library.e.abb.com/public/3366988913dd499b9bfaf691a3ad524e/ACS2000%206kV%20User%20Manual%20%28DFE%201-4MVA%29%20-%203BHS360367%20ZAB%20E01%20RevK%20LR.pdf