

Installation Instructions

3BHB003431R0101 KUC720 AE01 3BHB000652R0101

high voltage inverter motherboard

ABB Drives

Before work begins

- 01 Confirm the exact 3BHB003431R0101 KUC720 AE01 3BHB000652R0101 article number and installed equipment position.
- 02 Place the equipment in a safe state, isolate all energy sources and follow the applicable ABB discharge or lockout procedure.
- 03 Record terminals, connectors, signal cables, cooling provisions and protective-earth conductors.
- 04 Use ESD controls and qualified industrial-service personnel throughout the replacement.

Model-specific connection checks

Flash	16–64 MB
RAM	8–32 MB
Operating Temperature	-10°C to +50°C (14°F to 122°F)
Humidity	5–95% RH (non-condensing)
Digital Inputs	24V DC
High Voltage (Power Side)	3.3 kV
Control Signals	≤ 5A
Control-to-Power Isolation	≥ 2500V AC
Exact Article Code	3BHB003431R0101 KUC720 AE01 3BHB000652R0101
Board Designation	KUC720 AE01 3BHB000652R0101

Installation sequence

- Inspect the replacement for transport damage, contamination, bent pins and altered keying.
- Install without forcing connectors or terminals; restore all shields, grounds and cooling provisions.
- Secure power and signal connections under the applicable manufacturer procedure.

Commissioning and return to service

- 01 Documented rack control supply.
- 02 Check insulation and protective-earth continuity before energising..
- 03 Restore auxiliary and main power in the approved sequence..
- 04 Observe controller, interface and equipment diagnostics..
- 05 Test the connected signal, network, motor or power function at a controlled operating point..
- 06 Record the final article number, test results and maintenance approval..

This AMIKON installation reference supplements the applicable ABB controlled documentation and the site safety procedure. Warranty: 12 months from AMIKON.