

Installation Instructions

3BHE004468R0021 GDC780BE21

industrial control board

ABB Drives

Before work begins

- 01 Confirm the exact 3BHE004468R0021 GDC780BE21 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

Power Supply	+24V DC
Main Processor	32/64-bit RISC processor
SDRAM	128-512 MB DDR2/DDR3
Operating Temperature	0°C to +55°C (32°F to 131°F)
Storage Temperature	-40°C to +85°C (-40°F to 185°F)
Relative Humidity	5% to 95% (non-condensing)
Exact Article Code	3BHE004468R0021 GDC780BE21
Board Designation	GDC780BE21
Product Family	ABB Drives
Component Type	Industrial Control Board

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 Plug-in control board.
- 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.