

Installation Instructions

3BHB006338R0002 UNS0881a-P,V2

assembled control board

ABB Drives

Before work begins

- 01 Confirm the exact 3BHB006338R0002 UNS0881a-P,V2 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

Operating Temperature	-40°C to +85°C
Cooling	Conduction (heatsink required)
Vibration	10-500Hz
Processors	3x PowerPC e500mc @ 800MHz
Memory	1GB DDR3 + 512MB Flash
Control Cycle	100µs (minimum)
A/D Resolution	16-bit
Analog Inputs	16x (±10V/4-20mA)
Digital I/O	32x (24V DC, opto)
Communication	Ports

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 ABB PCB assembly.
- 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.