

Installation Instructions

3BHE014070R0101 PP C905 AE101

converter control board

ABB AC 800PEC

Before work begins

- 01 Confirm the exact 3BHE014070R0101 PP C905 AE101 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	24 V DC ($\pm 10\%$)
Power Consumption	8-20 W (typical)
Operating Voltage	24 V DC nominal
Signal Levels	TTL, 0-10 V, 4-20 mA
Operating Temperature	0°C to +60°C
Storage Temperature	-40°C to +85°C
Humidity	5-95% RH (non-condensing)
Exact Article Code	3BHE014070R0101 PP C905 AE101
Board Designation	PP C905 AE101
Product Family	ABB AC 800PEC

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 Keyed ABB board connectors.
- 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.