

Installation Instructions

3BHE003748R0002 GDC742 AE

interface module

ABB AC 800PEC

Before work begins

- 01 Confirm the exact 3BHE003748R0002 GDC742 AE 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

Isolation	1500V AC
Operating Temperature	0°C to +60°C (32°F to 140°F)
Humidity	5–95% RH (non-condensing)
Signal Channels	16 single-ended analog inputs
Voltage	±10V, ±5V, ±1V, 0–10V
Current	4–20mA, 0–20mA
Resolution	16-bit (including sign bit)
Accuracy	±0.05% of full scale (25°C)
Sampling Rate	10 ms/channel
Input Impedance	>1 MΩ

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 AC 800PEC.

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.