

Installation Instructions

3BHE013299R0001 LTC743C

amplifier board

ABB AC 800PEC

Before work begins

- 01 Confirm the exact 3BHE013299R0001 LTC743C 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 Voltage	±15V DC (±5%)
Power Consumption	<5W typical
Isolation Voltage	1500V AC
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Input Voltage Range	±10V
Current Output	0-20mA / 4-20mA
Gain Range	1 to 1000
Bandwidth	DC to 10kHz (-3dB)
Input Impedance	>1MΩ

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 LTC743C.

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.