

Installation Instructions

3BHE013299R0002 LTC743 CE02

power card

ABB Advant OCS and Advant-800xA

Before work begins

- 01 Confirm the exact 3BHE013299R0002 LTC743 CE02 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

Input Voltage Range	100-240 V AC
Max Inrush	25 A peak for 2 ms @ 230 V AC
Output 1 – Logic	24 V DC $\pm 1\%$, 2.5 A
Output 2 – Gate drivers	± 15 V isolated, 0.3 A
Output 3 – Brake IGBT	24 V, 0.2 A
Hold-up Time	≥ 20 ms @ 24 V / 2 A
Efficiency	87 % typ. @ 230 V AC, 2 A load
Operating Temperature	-40 °C to +70 °C
Storage Temperature	-40 °C to +85 °C
Relative Humidity	5-95 % RH non-condensing

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.