

Installation Instructions

3BHE014557R0003 UN1000b-Z,V3

unitrol 1000 voltage regulator

UNITROL Excitation Systems

Before work begins

- 01 Confirm the exact 3BHE014557R0003 UN1000b-Z,V3 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	85 to 265 VAC
Output Voltage	24 VDC
Output Current	10 A
Voltage Regulation Accuracy	±1% of Setpoint
Ripple and Noise	<100 mV Peak-to-Peak
Efficiency	Typically 85%
Exact Article Code	3BHE014557R0003 UN1000b-Z,V3
Board Designation	UN1000b-Z,V3
Product Family	UNITROL Excitation Systems
Component Type	Unitrol 1000 Voltage Regulator

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 Plug-in control board.
- 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.