

Installation Instructions

3BHE005774R0002 UN1000a-Z,V1

automatic voltage regulators

UNITROL Excitation Systems

Before work begins

- 01 Confirm the exact 3BHE005774R0002 UN1000a-Z,V1 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	90-140V AC (50/60Hz)
Rated Power	35VA
Regulation Accuracy	±0.5% of set voltage
Voltage Adjustment	±10% of nominal
Frequency Range	45-65Hz
Stability	±0.25% steady state
THD	<2% at full load
Operating Temperature	-40°C to +70°C
Storage Temperature	-55°C to +85°C
Humidity	0-95% 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.