

Installation Instructions

3BHE012276R0102 UAD143 A102

communication module

UNITROL Excitation Systems

Before work begins

- 01 Confirm the exact 3BHE012276R0102 UAD143 A102 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 Temperature	-25°C to +70°C (-13°F to +158°F)
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Humidity	5–95% RH (non-condensing)
Supply Voltage	5V DC
Power Consumption	1.2A @ 5V DC (6W)
Baud Rate	9.6 kbps to 12 Mbps (auto-detect)
Max Stations	125 slaves per segment
Redundancy Switchover	< 100 ms
Exact Article Code	3BHE012276R0102 UAD143 A102
Board Designation	UAD143 A102

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 Documented rack control supply.
- 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.