

Installation Instructions

3BHE012551R0001 3BHE012552P201 UAD142 A

hvdC power module

UNITROL Excitation Systems

Before work begins

- 01 Confirm the exact 3BHE012551R0001 3BHE012552P201 UAD142 A 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

Rated DC Current	4500 A
Peak Non-Repetitive Current	6 000 A for 1 s
Power Dissipation	28 kW @ 4 kA
Control Power	24 V DC
Operating Temp	-40 ... +45 °C (ambient oil)
Storage	-50 ... +85 °C
Humidity	≤ 95 % RH
Exact Article Code	3BHE012551R0001 3BHE012552P201 UAD142 A
Board Designation	3BHE012552P201 UAD142 A
Product Family	UNITROL Excitation Systems

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 Keyed ABB board connectors.
- 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.