

UNITROL EXCITATION SYSTEMS

Product Data Sheet

3BHE012551R0001 3BHE012552P201 UAD142 A

hvac power module

FUNCTION	FAMILY	ORIGIN	WEIGHT
hvac power module	UNITROL Excitation Systems	Switzerland	0.3 kg

UNITROL Excitation Systems 3BHE012551R0001 3BHE012552P201 UAD142 A is a hvac power module for the UNITROL Excitation Systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

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

ADDITIONAL PRODUCT DATA

Component Type	Hvdc Power Module
Assembly Class	ABB PCB assembly
System Interface	UNITROL Excitation Systems control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors

OFFICIAL APPLICATIONS

- Operate the documented hvdc power module: Use 3BHE012551R0001 3BHE012552P201 UAD142 A only in the UNITROL Excitation Systems equipment position identified by the installed hardware list. Match the complete ABB article code, board designation and electrical interface before work begins.
- Restore every recorded connection: Photograph connector keying, terminal references, cable routing, protective earth and adjacent assemblies for 3BHE012551R0001 3BHE012552P201 UAD142 A. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHE012551R0001 3BHE012552P201 UAD142 A, check power-up indications, controller or converter diagnostics and the affected control function. Record measured results and maintenance acceptance before returning the equipment to service.

SYSTEM COMPATIBILITY

Match 3BHE012551R0001 3BHE012552P201 UAD142 A to the installed UNITROL Excitation Systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB UNITROL Excitation Systems documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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