

UNITROL EXCITATION SYSTEMS

Product Data Sheet

3BHE005774R0002 UN1000a-Z,V1

automatic voltage regulators

FUNCTION automatic voltage regulators	FAMILY UNITROL Excitation Systems	ORIGIN Switzerland	WEIGHT 4.3 kg
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UNITROL Excitation Systems 3BHE005774R0002 UN1000a-Z,V1 is a automatic voltage regulators for the UNITROL Excitation Systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

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)

ADDITIONAL PRODUCT DATA

Exact Article Code	3BHE005774R0002 UN1000a-Z,V1
Board Designation	UN1000a-Z,V1
Product Family	UNITROL Excitation Systems
Component Type	Automatic Voltage Regulators
Assembly Class	ABB PCB assembly

OFFICIAL APPLICATIONS

- Operate the documented automatic voltage regulators: Use 3BHE005774R0002 UN1000a-Z,V1 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 3BHE005774R0002 UN1000a-Z,V1. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHE005774R0002 UN1000a-Z,V1, 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 3BHE005774R0002 UN1000a-Z,V1 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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