

UNITROL EXCITATION SYSTEMS

Product Data Sheet

3BHE035301R0410 UNS0121 A-Z,V1

unitrol 1010 voltage regulator

FUNCTION unitrol 1010 voltage regulator	FAMILY UNITROL Excitation Systems	ORIGIN Switzerland	WEIGHT 2.80 kg
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UNITROL Excitation Systems 3BHE035301R0410 UNS0121 A-Z,V1 is a unitrol 1010 voltage regulator for the UNITROL Excitation Systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Generator Voltage	100–690V AC (50/60 Hz)
Field Voltage (Output)	10–250V DC
Regulation Accuracy	±0.5%
Response Time	<30 ms
Auxiliary Supply	24/48/110/250V
Power Consumption	≤25 W (standby)
Operating Temperature	-25°C to +55°C (derating >40°C)
Humidity	≤95% RH (non-condensing)
Exact Article Code	3BHE035301R0410 UNS0121 A-Z,V1
Board Designation	UNS0121 A-Z,V1

ADDITIONAL PRODUCT DATA

Product Family	UNITROL Excitation Systems
Component Type	Unitrol 1010 Voltage Regulator
Assembly Class	ABB PCB assembly
System Interface	UNITROL Excitation Systems control interface
Control Supply	Documented rack control supply

OFFICIAL APPLICATIONS

- Protect ingredient dosing with Unitrol 1010 process control: Across the batch vessels and dosing valves, 3BHE035301R0410 UNS0121 A-Z,V1 serves its documented function as a unitrol 1010 volta regulator. During batch release, the system uses this function to align measured quantities with the active batch step, helping it hold dosing accuracy through the cycle.
- Stabilize cooling-water circulation with Unitrol 1010: Across the circulating pumps and heat exchangers, 3BHE035301R0410 UNS0121 A-Z,V1 handles its designated signal or control duty as a unitrol 1010 volta regulator. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.
- Stabilize distillation control with Unitrol 1010: For the coordinated operation of the columns, reboilers and reflux circuits, 3BHE035301R0410 UNS0121 A-Z,V1 serves its documented function as a unitrol 1010 volta regulator. During feed-composition change, the system uses this function to coordinate temperature, pressure and inventory loops, helping it maintain separation performance.

SYSTEM COMPATIBILITY

Match 3BHE035301R0410 UNS0121 A-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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