

UNITROL EXCITATION SYSTEMS

Product Data Sheet

3BHE035301R0001 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 3BHE035301R0001 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

Operating Temperature	-25°C to +55°C (derating >40°C)
Humidity	≤95% RH (non-condensing)
Enclosure Rating	IP20 (requires cabinet)
Generator Voltage	100–690V AC
Field Voltage	10–250V DC
Regulation Accuracy	±0.5%
Power Consumption	≤25 W (standby)
Exact Article Code	3BHE035301R0001 UNS0121 A-Z,V1
Board Designation	UNS0121 A-Z,V1
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
Connector Interface	Keyed ABB board connectors

- Supervise recipe mixing with Unitrol 1010 process control: In the automation chain for the mixers and ingredient skids, 3BHE035301R0001 UNS0121 A-Z,V1 provides its specified system function as a unitrol 1010 volta regulator. During recipe changeover, the system uses this function to sequence material transfers and equipment permissives, helping it preserve the verified batch state.
- Stabilize stock preparation with Unitrol 1010: In the automation chain for the pulp chests and refiners, 3BHE035301R0001 UNS0121 A-Z,V1 serves its documented function as a unitrol 1010 volta regulator. During grade change, the system uses this function to coordinate flow, consistency and equipment permissives, helping it deliver stable stock to the machine.
- Monitor compressor-train operation with Unitrol 1010: At the control layer of the compressors, seals and antisurge loops, 3BHE035301R0001 UNS0121 A-Z,V1 performs its assigned control role as a unitrol 1010 volta regulator. During throughput change, the system uses this function to coordinate the control and protection signals for the train, helping it keep the rotating train inside its operating envelope.

Match 3BHE035301R0001 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.

[ABB UNITROL Excitation Systems documentation](#)

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

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