

UNITROL EXCITATION SYSTEMS

Product Data Sheet

3BHE035301R1002 UNS 0121A-Z,V1

industrial cmt100 release

FUNCTION industrial cmt100 release	FAMILY UNITROL Excitation Systems	ORIGIN Switzerland	WEIGHT 2.80 kg
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UNITROL Excitation Systems 3BHE035301R1002 UNS 0121A-Z,V1 is a industrial cmt100 release for the UNITROL Excitation Systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Range	19–30 V DC
Nominal Input	24 V DC
Output Current	Up to 2.5 A
Power Rating	~60 W (24 V x 2.5 A)
Ripple & Noise	<100 mV peak-to-peak
Isolation Voltage	500 V AC
Operating Temperature	-25°C to +70°C (-13°F to +158°F)
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Exact Article Code	3BHE035301R1002 UNS 0121A-Z,V1
Board Designation	UNS 0121A-Z,V1

Product Family	UNITROL Excitation Systems
Component Type	Industrial Cmt100 Release
Assembly Class	ABB PCB assembly
System Interface	UNITROL Excitation Systems control interface
Control Supply	Documented rack control supply

- Supervise chemical dosing with Industrial Cmt100: For the coordinated operation of the metering pumps and contact tanks, 3BHE035301R1002 UNS 0121A-Z,V1 handles its designated signal or control duty as a industrial cmt100 release. During dose-setpoint correction, the system uses this function to match reagent flow to the measured process load, helping it keep treatment chemistry inside its operating target.
- Observe dryer-section control with Industrial Cmt100: For the coordinated operation of the steam groups and dryer drives, 3BHE035301R1002 UNS 0121A-Z,V1 serves its documented function as a industrial cmt100 release. During moisture correction, the system uses this function to align thermal and drive response with the running sheet, helping it support the target moisture profile.
- Protect compressor-train operation with Industrial Cmt100: In the automation chain for the compressors, seals and antisurge loops, 3BHE035301R1002 UNS 0121A-Z,V1 serves its documented function as a industrial cmt100 release. 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 3BHE035301R1002 UNS 0121A-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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