

UNITROL EXCITATION SYSTEMS

Product Data Sheet

3BHE006422R0001 UNS2861C-P,V1

drive board

FUNCTION drive board	FAMILY UNITROL Excitation Systems	ORIGIN Switzerland	WEIGHT 0.36 kg
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UNITROL Excitation Systems 3BHE006422R0001 UNS2861C-P,V1 is a drive board 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 +70°C
Storage Temperature	-40°C to +85°C
Humidity	5-95% non-condensing
Input Voltage	24V DC ±10%
Gate Drive Output	+15V/-8V (typical for IGBTs)
Isolation Voltage	2500V AC
Current Sensing Accuracy	±1% of full scale
Switching Frequency	Up to 20kHz
Exact Article Code	3BHE006422R0001 UNS2861C-P,V1
Board Designation	UNS2861C-P,V1

ADDITIONAL PRODUCT DATA

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

OFFICIAL APPLICATIONS

- Operate the documented drive board: Use 3BHE006422R0001 UNS2861C-P,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 3BHE006422R0001 UNS2861C-P,V1. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHE006422R0001 UNS2861C-P,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 3BHE006422R0001 UNS2861C-P,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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