

ABB DRIVES

Product Data Sheet

3BHB003431R0001 KUC720AE

power control drive board

FUNCTION power control drive board	FAMILY ABB Drives	ORIGIN Switzerland	WEIGHT 1.96 kg
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ABB Drives 3BHB003431R0001 KUC720AE is a power control drive board for the ABB Drives. 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% RH (non-condensing)
DC Bus Monitoring	0–1000V DC typical
Logic Side	+24V DC (±10%)
Gate Drive Side	+15V/-8V
Current Consumption	<500mA
Gate Drive	Peak 2A
Reinforced Isolation	2500V AC
Working Voltage	1000V DC

ADDITIONAL PRODUCT DATA

Exact Article Code	3BHB003431R0001 KUC720AE
Board Designation	KUC720AE
Product Family	ABB Drives
Component Type	Power Control Drive Board
Assembly Class	ABB PCB assembly

OFFICIAL APPLICATIONS

- Operate the documented power control drive board: Use 3BHB003431R0001 KUC720AE only in the ABB Drives 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 3BHB003431R0001 KUC720AE. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHB003431R0001 KUC720AE, 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 3BHB003431R0001 KUC720AE to the installed ABB Drives, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB Drives documentation](#)

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

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM