

ABB DRIVES

Product Data Sheet

3BHB003431R0101 KUC720 AE01 3BHB000652R0101

high voltage inverter motherboard

FUNCTION	FAMILY	ORIGIN	WEIGHT
high voltage inverter motherboard	ABB Drives	Switzerland	1.58 kg

ABB Drives 3BHB003431R0101 KUC720 AE01 3BHB000652R0101 is a high voltage inverter motherboard for the ABB Drives. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Flash	16–64 MB
RAM	8–32 MB
Operating Temperature	-10°C to +50°C (14°F to 122°F)
Humidity	5–95% RH (non-condensing)
Digital Inputs	24V DC
High Voltage (Power Side)	3.3 kV
Control Signals	≤ 5A
Control-to-Power Isolation	≥ 2500V AC
Exact Article Code	3BHB003431R0101 KUC720 AE01 3BHB000652R0101
Board Designation	KUC720 AE01 3BHB000652R0101

ADDITIONAL PRODUCT DATA

Product Family	ABB Drives
Component Type	High Voltage Inverter Motherboard
Assembly Class	ABB PCB assembly
System Interface	ABB Drives control interface
Control Supply	Documented rack control supply

OFFICIAL APPLICATIONS

- Operate the documented high voltage inverter motherboard: Use 3BHB003431R0101 KUC720 AE01 3BHB000652R0101 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 3BHB003431R0101 KUC720 AE01 3BHB000652R0101. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHB003431R0101 KUC720 AE01 3BHB000652R0101, 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 3BHB003431R0101 KUC720 AE01 3BHB000652R0101 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

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