

SIMOVERT MASTERDRIVES

Product Data Sheet

6SE7021-3EB84-1HF3

PEU3 power controller board

FUNCTION	FAMILY	ORIGIN	WEIGHT
PEU3 power controller board	SIMOVERT MASTERDRIVES	Germany	0.7 kg

Siemens SIMOVERT 6SE7021-3EB84-1HF3 is a PEU3 power controller board for the SIMOVERT MASTERDRIVES. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	PEU3 power controller board
Drive Family	SIMOVERT MASTERDRIVES
Primary Function	Controls a compact inverter output stage and current feedback
Power Architecture	PEU3 inverter electronics
Voltage Class	510–620 V DC link
Current Rating	13 A output class
Power Section	Inverter power section
Mechanical Design	Plug-in power board
Electrical Interface	Gate, phase and feedback plugs
Commissioning Check	Check current scaling and insulation

- Apply the 13 A inverter stage: Use 6SE7021-3EB84-1HF3 to controls a compact inverter output stage and current feedback within the documented SIMOVERT MASTERDRIVES. Confirm the inverter power section, electrical class and controlled drawing before work.
- Prepare the current scaling path: Record gate, phase and feedback plugs, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact 13 A PEU3 board arrangement during replacement.
- Complete the insulation acceptance: Check current scaling and insulation. Review Siemens diagnostics and record the final 13 A PEU3 board result before returning the affected function to service.

Match 6SE7021-3EB84-1HF3 to the installed SIMOVERT MASTERDRIVES, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens manufacturer documentation](#)

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