

SIMOVERT MASTERDRIVES

Product Data Sheet

6SE7021-8EB84-1HF3

PEU3 output power board

FUNCTION PEU3 output power board	FAMILY SIMOVERT MASTERDRIVES	ORIGIN Germany	WEIGHT 0.7 kg
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Siemens SIMOVERT 6SE7021-8EB84-1HF3 is a PEU3 output power 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 output power board
Drive Family	SIMOVERT MASTERDRIVES
Primary Function	Controls the three-phase output stage for the connected motor
Power Architecture	PEU3 power electronics
Voltage Class	510–620 V DC link
Current Rating	18 A output class
Power Section	Inverter output section
Mechanical Design	Plug-in power board
Electrical Interface	Phase, gate and current-feedback plugs
Commissioning Check	Verify output symmetry and insulation

- Apply the 18 A motor output: Use 6SE7021-8EB84-1HF3 to controls the three-phase output stage for the connected motor within the documented SIMOVERT MASTERDRIVES. Confirm the inverter output section, electrical class and controlled drawing before work.
- Prepare the three-phase firing: Record phase, gate and current-feedback plugs, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact 18 A PEU3 board arrangement during replacement.
- Complete the output symmetry test: Verify output symmetry and insulation. Review Siemens diagnostics and record the final 18 A PEU3 board result before returning the affected function to service.

Match 6SE7021-8EB84-1HF3 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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