

SIMOVERT MASTERDRIVES

Product Data Sheet

6SE7027-2TD84-1HF4

PEU4 power board

FUNCTION PEU4 power board	FAMILY SIMOVERT MASTERDRIVES	ORIGIN Germany	WEIGHT 0.88 kg
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Siemens SIMOVERT 6SE7027-2TD84-1HF4 is a PEU4 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	PEU4 power board
Drive Family	SIMOVERT MASTERDRIVES
Primary Function	Controls the converter output semiconductor stage
Power Architecture	PEU4 inverter electronics
Voltage Class	510–650 V DC link
Current Rating	165 A output class
Power Section	75 kW inverter section
Mechanical Design	Long-format power board
Electrical Interface	Power-stage and feedback connectors
Commissioning Check	Verify switching, current feedback and insulation

- Apply the 75 kW inverter stage: Use 6SE7027-2TD84-1HF4 for controls the converter output semiconductor stage within the documented SIMOVERT MASTERDRIVES. Confirm the 75 kw inverter section, electrical class and controlled system drawing before work.
- Prepare the 165 A output path: Record power-stage and feedback connectors, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact 75 kW PEU4 board arrangement during replacement.
- Complete the insulation verification: Verify switching, current feedback and insulation. Review Siemens diagnostics and record the final 75 kW PEU4 board configuration before returning the affected function to service.

Match 6SE7027-2TD84-1HF4 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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