

SIMOVERT MASTERDRIVES

Product Data Sheet

6SE7038-6EK84-1JC2

Inverter control interface module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Inverter control interface module	SIMOVERT MASTERDRIVES	Germany	0.8 kg

Siemens SIMOVERT 6SE7038-6EK84-1JC2 is a Inverter control interface module for the SIMOVERT MASTERDRIVES. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	Inverter control interface module
Drive Family	SIMOVERT MASTERDRIVES
Primary Function	Controls the inverter semiconductor stage and evaluates current feedback
Power Architecture	High-voltage inverter electronics
Voltage Class	500–600 V AC class
Current Rating	High-current converter class
Power Section	Inverter power section
Mechanical Design	Plug-in control module
Electrical Interface	Gate, current and DC-link connectors
Commissioning Check	Check insulation, phase gates and diagnostics

- Apply the inverter firing control: Use 6SE7038-6EK84-1JC2 to controls the inverter semiconductor stage and evaluates current feedback within the documented SIMOVERT MASTERDRIVES. Confirm the inverter power section, electrical class and controlled system drawing before work.
- Prepare the phase-current feedback: Record gate, current and dc-link connectors, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact EK84 inverter module arrangement during replacement.
- Complete the EK84 diagnostic release: Check insulation, phase gates and diagnostics. Review Siemens diagnostics and record the final EK84 inverter module result before returning the affected function to service.

Match 6SE7038-6EK84-1JC2 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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