

SIMOVERT MASTERDRIVES

Product Data Sheet

6SE7090-0XX85-1DA0

MASTERDRIVES control electronics module

FUNCTION	FAMILY	ORIGIN	WEIGHT
MASTERDRIVES control electronics mo	SIMOVERT MASTERDRIVES	Germany	0.7 kg

Siemens SIMOVERT 6SE7090-0XX85-1DA0 is a MASTERDRIVES control electronics module for the SIMOVERT MASTERDRIVES. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	MASTERDRIVES control electronics module
Drive Family	SIMOVERT MASTERDRIVES
Primary Function	Executes closed-loop converter control and system diagnostics
Power Architecture	Digital control-unit platform
Voltage Class	24 V DC electronics
Current Rating	Signal-level control load
Power Section	Converter electronics section
Mechanical Design	Plug-in control module
Electrical Interface	Bus, I/O and feedback connectors
Commissioning Check	Restore parameters and test control loops

- Apply the closed-loop drive control: Use 6SE7090-0XX85-1DA0 to execute closed-loop converter control and system diagnostics within the documented SIMOVERT MASTERDRIVES. Confirm the converter electronics section, electrical class and controlled system drawing before work.
- Prepare the parameter data transfer: Record bus, i/o and feedback connectors, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact MASTERDRIVES control module arrangement during replacement.
- Complete the control-loop validation: Restore parameters and test control loops. Review Siemens diagnostics and record the final MASTERDRIVES control module result before returning the affected function to service.

Match 6SE7090-0XX85-1DA0 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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