

SIMOVERT MASTERDRIVES

# Product Data Sheet

## 6SE7022-6TP50

Compact motion control inverter

|                                             |                                 |                   |                                   |
|---------------------------------------------|---------------------------------|-------------------|-----------------------------------|
| FUNCTION<br>Compact motion control inverter | FAMILY<br>SIMOVERT MASTERDRIVES | ORIGIN<br>Germany | WEIGHT<br>Confirm before dispatch |
|---------------------------------------------|---------------------------------|-------------------|-----------------------------------|

Siemens SIMOVERT 6SE7022-6TP50 is a Compact motion control inverter for the SIMOVERT MASTERDRIVES. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                      |                                      |
|----------------------|--------------------------------------|
| Component Class      | Compact motion control inverter      |
| Drive Family         | SIMOVERT MASTERDRIVES                |
| Primary Function     | Controls an 11 kW AC motor axis      |
| Power Architecture   | Compact Plus inverter stage          |
| Voltage Class        | 510–650 V DC input                   |
| Current Rating       | 25.5 A nominal output                |
| Control Supply       | Internal converter electronics       |
| Power Section        | Motor inverter section               |
| Mechanical Design    | IP20 Compact Plus unit               |
| Electrical Interface | DC link, motor and control terminals |

## ADDITIONAL PRODUCT DATA

|                     |                                    |
|---------------------|------------------------------------|
| Cooling Integration | Forced cabinet airflow             |
| Board Designation   | 6SE7022-6TP50 inverter             |
| Service Role        | 11 kW motion-control drive         |
| Product Status      | Legacy Siemens converter           |
| Commissioning Check | Commission motor data and feedback |

## OFFICIAL APPLICATIONS

- Apply the 11 kW Compact Plus inverter: Use 6SE7022-6TP50 to controls an 11 kw ac motor axis in the documented SIMOVERT MASTERDRIVES. Confirm the installed section, electrical class and controlled drawing before intervention.
- Match the DC link, motor and control terminals: Record the exact board marking, connector keying, adjacent assemblies, cable routing and protective-earth arrangement. Preserve the documented 11 kW Compact Plus inverter interface during exchange.
- Validate the Commission motor data and feedback: After installation, commission motor data and feedback. Review Siemens drive diagnostics, capture the final test results and release the affected machine function through the site procedure.

## SYSTEM COMPATIBILITY

Match 6SE7022-6TP50 to the installed SIMOVERT MASTERDRIVES, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## OFFICIAL SOURCES

[Siemens Industry manufacturer documentation](#)

<https://support.industry.siemens.com/cs/products?search=6SE7022-6TP50>

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