

SINAMICS CONVERTER POWER SECTIONS

Product Data Sheet

A5E31429340

Inverter power control board

FUNCTION Inverter power control board	FAMILY SINAMICS converter power sections	ORIGIN Germany	WEIGHT 0.4 kg
--	---	-------------------	------------------

Siemens SINAMICS A5E31429340 is a Inverter power control board for the SINAMICS converter power sections. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Component Class	Inverter power control board
Drive Family	SINAMICS converter power sections
Primary Function	Controls phase switching and evaluates inverter feedback
Power Architecture	Digital inverter electronics
Voltage Class	24 V DC control class
Current Rating	Power-stage defined rating
Power Section	Inverter control section
Mechanical Design	Service circuit-board assembly
Electrical Interface	Gate, current and DC-link plugs
Commissioning Check	Verify phase gates and diagnostics

- Apply the|phase switching control: Use A5E31429340 to controls phase switching and evaluates inverter feedback within the documented SINAMICS converter power sections. Confirm the inverter control section, electrical class and controlled drawing before work.
- Prepare the|current feedback path: Record gate, current and dc-link plugs, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact A5E31429340 inverter board arrangement during replacement.
- Complete the|inverter diagnostic test: Verify phase gates and diagnostics. Review Siemens diagnostics and record the final A5E31429340 inverter board result before returning the affected function to service.

Match A5E31429340 to the installed SINAMICS converter power sections, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens manufacturer documentation](#)

<https://support.industry.siemens.com/>