

SINAMICS DRIVE POWER SECTIONS

Product Data Sheet

A5E02822121

TDB drive circuit board

FUNCTION	FAMILY	ORIGIN	WEIGHT
TDB drive circuit board	SINAMICS drive power sections	Germany	0.3 kg

Siemens SINAMICS A5E02822121 is a TDB drive circuit board for the SINAMICS drive power sections. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	TDB drive circuit board
Drive Family	SINAMICS drive power sections
Primary Function	Processes temperature and diagnostic signals from the power stage
Power Architecture	TDB monitoring electronics
Voltage Class	24 V DC control class
Current Rating	Signal-level sensor inputs
Power Section	Power-stage monitoring section
Mechanical Design	Service printed-circuit board
Electrical Interface	Temperature, diagnostic and supply plugs
Commissioning Check	Validate sensor scaling and protection trips

- Apply the|temperature monitoring: Use A5E02822121 to processes temperature and diagnostic signals from the power stage within the documented SINAMICS drive power sections. Confirm the power-stage monitoring section, electrical class and controlled system drawing before work.
- Prepare the|protection signal path: Record temperature, diagnostic and supply plugs, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact TDB monitoring board arrangement during replacement.
- Complete the|sensor-scaling test: Validate sensor scaling and protection trips. Review Siemens diagnostics and record the final TDB monitoring board result before returning the affected function to service.

Match A5E02822121 to the installed SINAMICS drive 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/>