

SINAMICS CONVERTER SYSTEMS

Product Data Sheet

A5E02841901

Power entry control module

FUNCTION Power entry control module	FAMILY SINAMICS converter systems	ORIGIN Germany	WEIGHT 0.2 kg
---	---	--------------------------	-------------------------

Siemens SINAMICS A5E02841901 is a Power entry control module for the SINAMICS converter systems. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Component Class	Power entry control module
Drive Family	SINAMICS converter systems
Primary Function	Monitors mains entry and DC-link conditions
Power Architecture	Three-phase entry electronics
Voltage Class	510–720 V DC link
Current Rating	60–80 A DC-link class
Control Supply	24 V DC auxiliary supply
Power Section	Converter input section
Mechanical Design	Service circuit-board module
Electrical Interface	Mains sensing and control plugs

Cooling Integration	Cabinet air cooling
Board Designation	A5E02841901 entry module
Service Role	Power-entry replacement part
Product Status	Siemens repair component
Commissioning Check	Verify phase sensing and DC link

- Apply the power-entry control module: Use A5E02841901 to monitor mains entry and dc-link conditions in the documented SINAMICS converter systems. Confirm the installed section, electrical class and controlled drawing before intervention.
- Match the Mains sensing and control plugs: Record the exact board marking, connector keying, adjacent assemblies, cable routing and protective-earth arrangement. Preserve the documented power-entry control module interface during exchange.
- Validate the Verify phase sensing and DC link: After installation, verify phase sensing and dc link. Review Siemens drive diagnostics, capture the final test results and release the affected machine function through the site procedure.

Match A5E02841901 to the installed SINAMICS converter systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens Industry manufacturer documentation](#)

<https://support.industry.siemens.com/cs/products?search=A5E02841901>