

SINAMICS S120 CHASSIS DRIVES

Product Data Sheet

A5E00825001

IGD1 power-block module

FUNCTION	FAMILY	ORIGIN	WEIGHT
IGD1 power-block module	SINAMICS S120 chassis drives	Germany	0.45 kg

Siemens SINAMICS A5E00825001 is a IGD1 power-block module for the SINAMICS S120 chassis drives. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	IGD1 power-block module
Drive Family	SINAMICS S120 chassis drives
Primary Function	Switches the three-phase inverter output for the motor
Power Architecture	IGD1/R3 IGBT bridge
Voltage Class	400 V AC class
Current Rating	210 A power-block class
Power Section	Motor power block
Mechanical Design	IGBT module with driver board
Electrical Interface	Gate, feedback and DC-link connections
Commissioning Check	Confirm polarity, isolation and current feedback

- Apply the 210 A inverter bridge: Use A5E00825001 for switches the three-phase inverter output for the motor within the documented SINAMICS S120 chassis drives. Confirm the motor power block, electrical class and controlled system drawing before work.
- Prepare the IGBT polarity check: Record gate, feedback and dc-link connections, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact 210 A IGD1 module arrangement during replacement.
- Complete the current-feedback test: Confirm polarity, isolation and current feedback. Review Siemens diagnostics and record the final 210 A IGD1 module configuration before returning the affected function to service.

Match A5E00825001 to the installed SINAMICS S120 chassis drives, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens manufacturer documentation](#)

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