

SINAMICS S120 MOTOR MODULES

Product Data Sheet

A5E01283291

IGBT driver board

FUNCTION IGBT driver board	FAMILY SINAMICS S120 motor modules	ORIGIN Germany	WEIGHT 0.2 kg
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Siemens SINAMICS A5E01283291 is a IGBT driver board for the SINAMICS S120 motor modules. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	IGBT driver board
Drive Family	SINAMICS S120 motor modules
Primary Function	Drives and monitors the installed IGBT power devices
Power Architecture	IGDR gate-drive electronics
Voltage Class	Installed 600 V DC-link class
Current Rating	Power-stage defined current
Power Section	Motor-module inverter section
Mechanical Design	Compact driver-board assembly
Electrical Interface	Gate and feedback connectors
Commissioning Check	Verify gate timing and DC-link feedback

- Apply the IGBT gate timing: Use A5E01283291 for drives and monitors the installed IGBT power devices within the documented SINAMICS S120 motor modules. Confirm the motor-module inverter section, electrical class and controlled system drawing before work.
- Prepare the motor-module identity: Record gate and feedback connectors, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact IGDR drive board arrangement during replacement.
- Complete the DC-link feedback: Verify gate timing and DC-link feedback. Review Siemens diagnostics and record the final IGDR drive board configuration before returning the affected function to service.

Match A5E01283291 to the installed SINAMICS S120 motor modules, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens manufacturer documentation](#)

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