

SINAMICS G120 POWER ELECTRONICS

Product Data Sheet

A5E41929947

IGD11 R3 driver board

FUNCTION IGD11 R3 driver board	FAMILY SINAMICS G120 power electronics	ORIGIN Germany	WEIGHT 0.2 kg
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Siemens SINAMICS A5E41929947 is a IGD11 R3 driver board for the SINAMICS G120 power electronics. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	IGD11 R3 driver board
Drive Family	SINAMICS G120 power electronics
Primary Function	Drives the installed IGBT power module
Power Architecture	IGD11/R3 gate-drive stage
Voltage Class	Installed G120 voltage class
Current Rating	Power-module defined current
Power Section	Inverter power block
Mechanical Design	IGBT driver-board assembly
Electrical Interface	Gate and feedback plugs
Commissioning Check	Confirm IGBT identity, polarity and isolation

- Service the IGD11 gate stage: Use A5E41929947 to drive the installed IGBT power module in the documented SINAMICS G120 power electronics. Match installed G120 voltage class, Power-module defined current and the installed inverter power block before work.
- Restore the IGBT feedback: Record gate and feedback plugs, adjacent hardware, cable routing and grounding before removal. Preserve the exact connector orientation and mechanical arrangement while installing the IGD11 R3 board.
- Complete the R3 polarity test: Confirm IGBT identity, polarity and isolation. Review Siemens drive diagnostics and record the final IGD11 R3 board configuration before returning the affected machine function to service.

Match A5E41929947 to the installed SINAMICS G120 power electronics, 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/>