

SINAMICS POWER-BLOCK ELECTRONICS

Product Data Sheet

A5E00825002

IGD1 driver board

FUNCTION IGD1 driver board	FAMILY SINAMICS power-block electronics	ORIGIN Germany	WEIGHT 0.2 kg
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Siemens SINAMICS A5E00825002 is a IGD1 driver board for the SINAMICS power-block electronics. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	IGD1 driver board
Drive Family	SINAMICS power-block electronics
Primary Function	Controls IGBT gate firing in the installed power block
Power Architecture	IGD1/R3 gate-drive stage
Voltage Class	480 V AC / 650 V DC class
Current Rating	260 A power-block class
Power Section	Power-block driver section
Mechanical Design	IGBT driver-board assembly
Electrical Interface	Internal gate and feedback plugs
Commissioning Check	Confirm IGBT identity, polarity and isolation

- Use the IGD1 driver board: A5E00825002 supports controls igbt gate firing in the installed power block in the documented SINAMICS power-block electronics arrangement. Confirm the installed section, adjacent hardware and controlled drawings before work.
- Match the Internal gate and feedback plugs: Record connector keys, cable routing, grounding and every mating assembly before removing the installed component. Compare these details with the complete Siemens article and board revision.
- Complete the IGD1 driver board test: Confirm IGBT identity, polarity and isolation. Review drive diagnostics and record the final configuration before returning the affected machine function to service.

Match A5E00825002 to the installed SINAMICS power-block 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/>