

SIMOREG DC MASTER CONVERTERS

Product Data Sheet

6RY1803-0CA05

Field supply control board

FUNCTION Field supply control board	FAMILY SIMOREG DC Master converters	ORIGIN Germany	WEIGHT 0.55 kg
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Siemens SIMOREG 6RY1803-0CA05 is a Field supply control board for the SIMOREG DC Master converters. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	Field supply control board
Drive Family	SIMOREG DC Master converters
Primary Function	Regulates motor field current and field-converter firing
Power Architecture	Field converter electronics
Voltage Class	24 V DC control supply
Current Rating	Field-circuit defined current
Power Section	Field supply section
Mechanical Design	Plug-in control board
Electrical Interface	Field gate, current and supply plugs
Commissioning Check	Verify field polarity and current loop

- Apply the field-current regulation: Use 6RY1803-0CA05 to regulate motor field current and field-converter firing within the documented SIMOREG DC Master converters. Confirm the field supply section, electrical class and controlled drawing before work.
- Prepare the field gate routing: Record field gate, current and supply plugs, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact 0CA05 field board arrangement during replacement.
- Complete the weak-field test: Verify field polarity and current loop. Review Siemens diagnostics and record the final 0CA05 field board result before returning the affected function to service.

Match 6RY1803-0CA05 to the installed SIMOREG DC Master converters, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens manufacturer documentation](#)

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