

SIMODRIVE 611 DRIVE SYSTEMS

Product Data Sheet

6SN1118-0DM31-0AA2

SIMODRIVE axis control board

FUNCTION SIMODRIVE axis control board	FAMILY SIMODRIVE 611 drive systems	ORIGIN Germany	WEIGHT 0.6 kg
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Siemens SIMODRIVE 6SN1118-0DM31-0AA2 is a SIMODRIVE axis control board for the SIMODRIVE 611 drive systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	SIMODRIVE axis control board
Drive Family	SIMODRIVE 611 drive systems
Primary Function	Regulates motor current, speed and position for one machine axis
Power Architecture	Digital closed-loop control
Voltage Class	24 V DC control class
Current Rating	Axis-defined motor rating
Power Section	611 axis control section
Mechanical Design	Plug-in control board
Electrical Interface	Encoder, enable and setpoint interfaces
Commissioning Check	Restore axis data and test feedback direction

- Apply the|axis loop regulation: Use 6SN1118-0DM31-0AA2 to regulates motor current, speed and position for one machine axis within the documented SIMODRIVE 611 drive systems. Confirm the 611 axis control section, electrical class and controlled system drawing before work.
- Prepare the|encoder feedback path: Record encoder, enable and setpoint interfaces, adjacent assemblies, cable routing, protective earth and configuration data. Preserve the exact 611 axis control board arrangement during replacement.
- Complete the|machine-axis commissioning: Restore axis data and test feedback direction. Review Siemens diagnostics and record the final 611 axis control board result before returning the affected function to service.

Match 6SN1118-0DM31-0AA2 to the installed SIMODRIVE 611 drive systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens manufacturer documentation](#)

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