

SINAMICS DCM

# Product Data Sheet

**6RY1803-0AA05-0AA1**

Advanced CUD board

|                                       |                               |                          |                         |
|---------------------------------------|-------------------------------|--------------------------|-------------------------|
| FUNCTION<br><b>Advanced CUD board</b> | FAMILY<br><b>SINAMICS DCM</b> | ORIGIN<br><b>Germany</b> | WEIGHT<br><b>0.3 kg</b> |
|---------------------------------------|-------------------------------|--------------------------|-------------------------|

Siemens SINAMICS 6RY1803-0AA05-0AA1 is a Advanced CUD board for the SINAMICS DCM. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                      |                                               |
|----------------------|-----------------------------------------------|
| Component Class      | Advanced CUD board                            |
| Drive Family         | SINAMICS DCM                                  |
| Primary Function     | Provides expanded converter control functions |
| Power Architecture   | Advanced CUD control platform                 |
| Voltage Class        | 24 V DC control supply                        |
| Current Rating       | 5 A maximum input                             |
| Power Section        | Left or right CUD slot                        |
| Mechanical Design    | Uncoated board assembly                       |
| Electrical Interface | 6RY1803-0GA00 connector board                 |
| Commissioning Check  | Load parameters and verify DCM I/O            |

- Service the advanced control slot: Use 6RY1803-0AA05-0AA1 to provides expanded converter control functions in the documented SINAMICS DCM. Match 24 V DC control supply, 5 A maximum input and the installed left or right cud slot before work.
- Restore the 32 MB CUD functions: Record 6ry1803-0ga00 connector board, adjacent hardware, cable routing and grounding before removal. Preserve the exact connector orientation and mechanical arrangement while installing the Advanced CUD assembly.
- Complete the DCM I/O test: Load parameters and verify DCM I/O. Review Siemens drive diagnostics and record the final Advanced CUD assembly configuration before returning the affected machine function to service.

Match 6RY1803-0AA05-0AA1 to the installed SINAMICS DCM, 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/>