

SIMADYN D HIGH-PERFORMANCE CONTROL SYSTEMS

Product Data Sheet

6DD1607-0AA0

SIMADYN D control system module

FUNCTION	FAMILY	ORIGIN	WEIGHT
SIMADYN D control system module	SIMADYN D high-performance control systems	Germany	Confirm before dispatch

Simadyn D 6DD1607-0AA0 is a SIMADYN D control system module for the SIMADYN D high-performance control systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6DD1607-0AA0
Product Class	Simadyn D Control System Module
Product Family	SIMADYN D high-performance control systems
Control Supply	24 V DC or system backplane
System Interface	Manufacturer control backplane
Signal Processing	Cyclic real-time control
Diagnostics	Front-panel status indication
Configuration	Siemens engineering software
Isolation	Functional circuit isolation
Mounting	Keyed rack or drive slot

ADDITIONAL PRODUCT DATA

Protection Class	IP20 cabinet assembly
Operating Temperature	0 to +55 °C class
Commissioning Interface	System diagnostic channel

OFFICIAL APPLICATIONS

- Maintain product blending with Simadyn D process control: As part of the component tanks and blend headers, 6DD1607-0AA0 handles its designated signal or control duty as a SIMADYN D control system module. During blend correction, the system uses this function to adjust component addition from quality feedback, helping it bring the blend toward its release target.
- Coordinate generator excitation during load change: Across the field circuits and voltage regulation, 6DD1607-0AA0 serves its documented function as a SIMADYN D control system module. During load change, the system uses this function to adjust the assigned regulation path from operating feedback, helping it hold the electrical variable at its commanded target.
- Verify powertrain assembly with Simadyn D process control: Across the machining cells and pallet systems, 6DD1607-0AA0 serves its documented function as a SIMADYN D control system module. During quality-hold release, the system uses this function to hand off part identity with the machine sequence, helping it retain traceability at the next operation.

SYSTEM COMPATIBILITY

Match 6DD1607-0AA0 to the installed SIMADYN D high-performance control systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6DD1607-0AA0>

AMIKON PRODUCT SUPPORT

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