

SIMADYN D HIGH-PERFORMANCE CONTROL SYSTEMS

Product Data Sheet

6DD1670-0AF0

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 6DD1670-0AF0 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	6DD1670-0AF0
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

- Stabilize cooling-water circulation with Simadyn D: Across the circulating pumps and heat exchangers, 6DD1670-0AF0 provides its specified system function as a SIMADYN D control system module. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.
- Synchronize automated storage with Simadyn D process control: Inside the stacker cranes and storage positions, 6DD1670-0AF0 provides its specified system function as a SIMADYN D control system module. During buffer release, the system uses this function to release material according to downstream availability, helping it prevent overfilling the next buffer.
- Maintain test-stand control during test-point transition: Within the load actuators and measurement channels, 6DD1670-0AF0 serves its documented function as a SIMADYN D control system module. During test-point transition, the system uses this function to move the test article through commanded operating points, helping it capture comparable results at each condition.

SYSTEM COMPATIBILITY

Match 6DD1670-0AF0 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/6DD1670-0AF0>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM