

SIMADYN D HIGH-PERFORMANCE CONTROL SYSTEMS

Product Data Sheet

6DD1662-0AB0

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 6DD1662-0AB0 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	6DD1662-0AB0
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

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

- Align paint-shop conveying with Simadyn D process control: Across the carrier tracking and booth interfaces, 6DD1662-0AB0 performs its assigned control role as a SIMADYN D control system module. During carrier accumulation, the system uses this function to route carriers by production status, helping it preserve body order through the process.
- Synchronize distillation control with Simadyn D: Within the columns, reboilers and reflux circuits, 6DD1662-0AB0 performs its assigned control role as a SIMADYN D control system module. During feed-composition change, the system uses this function to coordinate temperature, pressure and inventory loops, helping it maintain separation performance.
- Control clean-in-place transfer with Simadyn D: Within the CIP supply and return headers, 6DD1662-0AB0 handles its designated signal or control duty as a SIMADYN D control system module. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.

Match 6DD1662-0AB0 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.

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

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6DD1662-0AB0>

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