

SIMADYN D HIGH-PERFORMANCE CONTROL SYSTEMS

Product Data Sheet

6DD1601-0AH0

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 6DD1601-0AH0 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.

01

VERIFIED TECHNICAL DATA

Exact Article Code	6DD1601-0AH0
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

- Coordinate body transfer with Simadyn D process control: As part of the skid conveyors and lift stations, 6DD1601-0AH0 operates in its approved product-family role as a SIMADYN D control system module. During model change, the system uses this function to coordinate motion requests and station interlocks, helping it keep the assembly takt moving.
- Control aseptic filling with Simadyn D process control: Across the fillers and container conveyors, 6DD1601-0AH0 handles its designated signal or control duty as a SIMADYN D control system module. During line-speed ramp, the system uses this function to keep container flow synchronized with filling demand, helping it move accepted containers toward inspection.
- Stabilize aeration control with Simadyn D process control: During operation of the blowers and dissolved-oxygen loops, 6DD1601-0AH0 provides its specified system function as a SIMADYN D control system module. During changing oxygen demand, the system uses this function to adjust air delivery from process feedback, helping it stabilize treatment performance.

SYSTEM COMPATIBILITY

Match 6DD1601-0AH0 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/6DD1601-0AH0>

AMIKON PRODUCT SUPPORT

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