

SIMADYN D CONTROL SYSTEMS

# Product Data Sheet

**6DD1661-0AE0**

SIMADYN D communication module

|                                                   |                                            |                          |                                          |
|---------------------------------------------------|--------------------------------------------|--------------------------|------------------------------------------|
| FUNCTION<br><b>SIMADYN D communication module</b> | FAMILY<br><b>SIMADYN D control systems</b> | ORIGIN<br><b>Germany</b> | WEIGHT<br><b>Confirm before dispatch</b> |
|---------------------------------------------------|--------------------------------------------|--------------------------|------------------------------------------|

Simadyn D 6DD1661-0AE0 is a SIMADYN D communication module for the SIMADYN D control systems. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                     |                                       |
|---------------------|---------------------------------------|
| Exact Article Code  | 6DD1661-0AE0                          |
| Product Class       | Simadyn D Communication Module        |
| Product Family      | SIMADYN D control systems             |
| Control System      | SIMADYN D                             |
| Module Function     | High-speed system communication       |
| Backplane           | SIMADYN D subrack bus                 |
| Processor Interface | Module-local communication controller |
| Data Exchange       | Cyclic shared process data            |
| Configuration       | STRUC / CFC engineering               |
| Supply Source       | Subrack backplane                     |

## ADDITIONAL PRODUCT DATA

|                    |                              |
|--------------------|------------------------------|
| Diagnostic Support | Front-panel status LEDs      |
| Mounting           | SIMADYN D rack slot          |
| Signal Isolation   | Backplane-separated channels |
| Operating Role     | Multi-processor coordination |

## OFFICIAL APPLICATIONS

- Coordinate ingredient dosing with Simadyn D process control: For the coordinated operation of the batch vessels and dosing valves, 6DD1661-0AE0 provides its specified system function as a SIMADYN D communication module. During batch release, the system uses this function to align measured quantities with the active batch step, helping it hold dosing accuracy through the cycle.
- Maintain press sequencing with Simadyn D process control: Inside the feed systems, dies and safety interfaces, 6DD1661-0AE0 performs its assigned control role as a SIMADYN D communication module. During part change, the system uses this function to apply the selected product recipe to the sequence, helping it produce the intended part without skipping an interlock.
- Integrate product blending with Simadyn D process control: In the automation chain for the component tanks and blend headers, 6DD1661-0AE0 handles its designated signal or control duty as a SIMADYN D communication 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.

## SYSTEM COMPATIBILITY

Match 6DD1661-0AE0 to the installed SIMADYN D 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/6DD1661-0AE0>

AMIKON PRODUCT SUPPORT

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