

APTER POWER PRODUCT MANUAL

6DD1682-0BE0

SIMADYN D SR24.2 24-Slot Subrack

The Siemens 6DD1682-0BE0 is the SIMADYN D SR24.2 subrack. It accommodates twenty-four 233.4 x 220 mm modules, distributes power through its integrated supply, and carries control data over the L-bus and C-bus backplanes.

This fanless 24 V DC rack forms the mechanical, power, and data backbone for an installed SIMADYN D control system and uses the SP9 power-supply type documented by Siemens.

Manufacturer	Siemens
Prepared by	Apter Power
Document ID	AP-SIE-07-6DD1682-0BE0-PM-R1
Revision	R1
Issue date	2026-08-14

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Twenty-Four Slots Rely on Backplane, Bonding, and Airflow Discipline.

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



SCAN FOR PRODUCT & QUOTE
6DD1682-0BE0

1. Product Overview and Identity

The Siemens 6DD1682-0BE0 is the SIMADYN D SR24.2 subrack. It accommodates twenty-four 233.4 x 220 mm modules, distributes power through its integrated supply, and carries control data over the L-bus and C-bus backplanes.

This fanless 24 V DC rack forms the mechanical, power, and data backbone for an installed SIMADYN D control system and uses the SP9 power-supply type documented by Siemens.

Model Configuration

Field	Verified information
Complete model	6DD1682-0BE0
Manufacturer	Siemens
Product description	SIMADYN D SR24.2 24-Slot Subrack

Key Features

- Exact 6DD1682-0BE0 identity retained
- Manufacturer-source data separated from unconfirmed values
- SR24.2
- System context: SIMADYN D
- Model-specific lifecycle and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Subrack	SR24.2
Article	6DD1682-0BE0
Slots	24
Module format	233.4 x 220 mm
Input supply	24 V DC
Cooling	No integrated fan; cabinet self-convection requirements apply
Power-supply type	SP9
Backplanes	L bus and C bus

Verification Note

Use the complete 6DD1682-0BE0 identity. SR24.2 belongs to the legacy SIMADYN D platform. Confirm current Siemens service options and the exact installed power-supply revision. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- This fanless 24 V DC rack forms the mechanical, power, and data backbone for an installed SIMADYN D control system and uses the SP9 power-supply type documented by Siemens.
- Maintains the documented SIMADYN D system role for this exact identity.
- Provides an exact reference for engineering, maintenance, and quotation review.

Application Areas

Application	System role
Large SIMADYN D systems	House up to twenty-four coordinated modules.
Drive and process cabinets	Distribute rack power and L/C-bus communication.
Fanless rack installations	Use cabinet airflow designed for self-convection.

Compatible Components

- SIMADYN D modules permitted by the rack loading and slot rules
- SP9 power-supply arrangement documented for SR24.2
- 24 V DC source, cabinet cooling, grounding, battery, and backplane jumpers specified by Siemens

Lifecycle Status

SR24.2 belongs to the legacy SIMADYN D platform. Confirm current Siemens service options and the exact installed power-supply revision.

4. Installation Precautions

- Provide the Siemens-required cabinet cooling openings
- Connect the rack to the grounding rail with the specified bonding conductor
- Keep empty-slot covers and backplane jumpers correctly fitted
- Check module current demand against the power supply
- Back up configured values before disturbing the battery-backed system

STOP - Verify before installation

Use the complete 6DD1682-0BE0 identity. SR24.2 belongs to the legacy SIMADYN D platform. Confirm current Siemens service options and the exact installed power-supply revision. Values not published in the cited Siemens source are intentionally not inferred.

Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens SIMADYN D Hardware Manual, SR12/SR24 subrack and SR24.2 technical sections.

Apter Power product page

<https://www.apterpower.com/Siemens/6DD1682-0BE0>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.