

APTER POWER PRODUCT MANUAL

6QN5501-0BA

SIMOREG 6RA24 Power-Section Component

The Siemens 6QN5501-0BA is identified in the official SIMOREG 6RA24 connection documentation as a component within the 6RA24 power-section and parallel-power-unit wiring. The public drawing shows its relationship to thyristor modules, current feedback, fuse monitoring, and fan-monitoring circuits.

Its exact installed duty must be reconstructed from the complete converter type, 6RA24 schematic, power-section drawing, and physical component label before connection or substitution.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

In a Power Section, the Schematic Is Part of the Component.

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



SCAN FOR PRODUCT & QUOTE
6QN5501-0BA

1. Product Overview and Identity

The Siemens 6QN5501-0BA is identified in the official SIMOREG 6RA24 connection documentation as a component within the 6RA24 power-section and parallel-power-unit wiring. The public drawing shows its relationship to thyristor modules, current feedback, fuse monitoring, and fan-monitoring circuits.

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Model Configuration

Field	Verified information
Complete model	6QN5501-0BA
Manufacturer	Siemens
Product description	SIMOREG 6RA24 Power-Section Component

Key Features

- Exact 6QN5501-0BA identity retained
- Manufacturer-source data separated from unconfirmed values
- Siemens
- System context: SIMOREG 6RA24
- 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
Manufacturer	Siemens
System	SIMOREG 6RA24
Exact article	6QN5501-0BA
Official drawing context	Power section / parallel power unit
Associated circuits shown	Thyristor modules, current feedback, fuse and fan monitoring
Electrical ratings	Use the exact converter and power-section nameplates

Verification Note

Use the complete 6QN5501-0BA identity. 6QN5501-0BA belongs to legacy SIMOREG 6RA24 documentation. Confirm present support with Siemens using the complete converter and component nameplates. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- Its exact installed duty must be reconstructed from the complete converter type, 6RA24 schematic, power-section drawing, and physical component label before connection or substitution.
- Maintains the documented SIMOREG 6RA24 system role for this exact identity.
- Provides an exact reference for engineering, maintenance, and quotation review.

Application Areas

Application	System role
DC drive power sections	Maintain a documented 6RA24 converter assembly.
Parallel power units	Preserve the control and monitoring path between power sections.
Legacy drive audits	Trace the exact component before a high-energy replacement.

Compatible Components

- Only the SIMOREG 6RA24 converter and power section shown in the matching Siemens drawing
- Thyristor, current-transformer, fuse-monitoring, and fan circuits traced from the original schematic
- Mechanical and electrical variant matching the complete device type

Lifecycle Status

6QN5501-0BA belongs to legacy SIMOREG 6RA24 documentation. Confirm present support with Siemens using the complete converter and component nameplates.

4. Installation Precautions

- Apply lockout and verify DC-link absence of voltage
- Use the complete 6RA24 power-section drawing
- Record every thyristor gate/cathode and monitoring lead
- Verify fan and fuse-monitoring contact behavior
- Do not infer converter rating from 6QN5501-0BA alone

STOP - Verify before installation

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

5. Official Source and Use Notice

Official source

Siemens SIMOREG 6RA24 operating and connection documentation, drawing pages containing article 6QN5501-0BA.

Apter Power product page

<https://www.apterpower.com/Siemens/6QN5501-0BA>

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.