

APTER POWER PRODUCT MANUAL

7RE2800-0CA00

SIPROTEC 7RE2800 Voltage Balance Relay for Flush Mounting

The Siemens 7RE2800-0CA00 is a SIPROTEC voltage balance relay for cubicle or panel flush mounting. It compares voltage-transformer measuring circuits and operates when the configured voltage balance condition is not maintained.

The relay monitors 100/110 V, 50/60 Hz measuring-voltage circuits and provides protective supervision where disagreement between voltage-transformer signals must be detected.

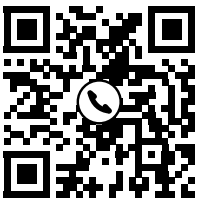
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

**Balanced Voltage Measurement Starts with
Verified VT Circuits.**

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SCAN FOR PRODUCT & QUOTE
7RE2800-0CA00

1. Product Overview and Identity

The Siemens 7RE2800-0CA00 is a SIPROTEC voltage balance relay for cubicle or panel flush mounting. It compares voltage-transformer measuring circuits and operates when the configured voltage balance condition is not maintained.

The relay monitors 100/110 V, 50/60 Hz measuring-voltage circuits and provides protective supervision where disagreement between voltage-transformer signals must be detected.

Model Configuration

Field	Verified information
Complete model	7RE2800-0CA00
Manufacturer	Siemens
Product description	SIPROTEC 7RE2800 Voltage Balance Relay for Flush Mounting

Key Features

- Exact 7RE2800-0CA00 identity retained
- Manufacturer-source data separated from unconfirmed values
- SIPROTEC 7RE2800 voltage balance relay
- System context: SIPROTEC Protection
- 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
Relay	SIPROTEC 7RE2800 voltage balance relay
Construction	Cubicle or panel flush mounting
Measuring voltage	100/110 V
Frequency	50/60 Hz
Housing	7XP2020-2L
Rear connections	Four terminal modules
Degree of protection	IP51
Approximate weight	4.7 kg

Verification Note

Use the complete 7RE2800-OCA00 identity. 7RE2800 is a legacy protection-relay family. Confirm current Siemens service options and application suitability for the installed protection scheme. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- The relay monitors 100/110 V, 50/60 Hz measuring-voltage circuits and provides protective supervision where disagreement between voltage-transformer signals must be detected.
- Maintains the documented SIPROTEC Protection system role for this exact identity.
- Provides an exact reference for engineering, maintenance, and quotation review.

Application Areas

Application	System role
VT circuit supervision	Detect loss or disagreement of measuring-voltage circuits.
Protection panels	Provide panel-mounted voltage balance monitoring.
Generator and grid auxiliaries	Supervise paired voltage references in the documented scheme.

Compatible Components

- Voltage-transformer secondary circuits matching the relay manual
- Flush-mount panel cutout and 7XP2020-2L housing arrangement
- Trip, alarm, test, and auxiliary circuits shown in the project protection drawings

Lifecycle Status

7RE2800 is a legacy protection-relay family. Confirm current Siemens service options and application suitability for the installed protection scheme.

4. Installation Precautions

- Isolate and short voltage-transformer circuits only under the approved protection procedure
- Verify 100/110 V and 50/60 Hz ratings
- Check the flush-mount terminal assignment
- Test pickup, contacts, alarms, and trip logic with approved equipment
- Do not return the protection scheme to service without documented functional testing

STOP - Verify before installation

Use the complete 7RE2800-0CA00 identity. 7RE2800 is a legacy protection-relay family. Confirm current Siemens service options and application suitability for the installed protection scheme. 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 7RE2800 Voltage Balance Relay Instruction Manual, document E50417-G1176-C130-A1, exact 7RE2800-0CA00 construction and ordering sections.

Apter Power product page

<https://www.apterpower.com/Siemens/7RE2800-0CA00>

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.