Siemens 3RX9306-1AA00
Complete Product Information

PRODUCT OVERVIEW

Product	3RX9306-1AA00
Type	AS-Interface Power Supply
Platform	SIMATIC NET
Primary role	combined AS-Interface power supply

KEY CAPABILITIES

Capability 1 Provides the combined AS-Interface power supply function.	Capability 2 Integrates with the SIMATIC NET platform.
Capability 3 Retains the assigned signal or communication path.	Capability 4 Uses the complete 3RX9306-1AA00 identity for replacement control.

WHERE IT FITS

Installed-base maintenance Restore the assigned combined AS-Interface power supply position without changing the surrounding system design.	Loop and channel service Retain terminal assignments, scaling and channel ownership during controlled replacement.
Fault isolation Separate module, field wiring and configuration causes during troubleshooting.	Commissioning Prove the complete signal path before returning the process to service.

ApterPower product support
Scan for model-specific assistance.

Capabilities at a glance

PRODUCT PARAMETERS

AS-i output	30 V DC with data decoupling
Auxiliary output	24 V DC
Input	115/230 V AC switchable
Frequency	47 to 63 Hz
Mains buffering	20 ms
Terminal technology	Spring terminals, 0.8 to 2.5 mm²
Configuration basis	Preserve assigned settings
Acceptance focus	Confirm end-to-end response

CAPABILITY INTERPRETATION

Capability 1	Provides the combined AS-Interface power supply function. This supports the assigned SIMATIC NET maintenance strategy.
Capability 2	Integrates with the SIMATIC NET platform. This supports the assigned SIMATIC NET maintenance strategy.
Capability 3	Retains the assigned signal or communication path. This supports the assigned SIMATIC NET maintenance strategy.
Capability 4	Uses the complete 3RX9306-1AA00 identity for replacement control. This supports the assigned SIMATIC NET maintenance strategy.

SYSTEM RELATIONSHIP

Upstream Field source or system command assigned to the combined AS-Interface power supply function.	Product role 3RX9306-1AA00 performs its configured function inside SIMATIC NET.
Downstream Receiving channel, field device or operator interface.	Supervision Diagnostics, alarms and process indications confirm healthy operation.

Applications and operating context

COMMON APPLICATIONS

Installed-base maintenance Restore the assigned combined AS-Interface power supply position without changing the surrounding system design.	Loop and channel service Retain terminal assignments, scaling and channel ownership during controlled replacement.
Fault isolation Separate module, field wiring and configuration causes during troubleshooting.	Commissioning Prove the complete signal path before returning the process to service.

OPERATIONAL WORKFLOW

Normal operation	3RX9306-1AA00 maintains the assigned combined AS-Interface power supply path.
Inspection	Review physical condition, status and process indications.
Fault isolation	Separate field, connection, module and configuration causes.
Replacement	Match the complete identity and restore retained interfaces.
Commissioning	Prove static and dynamic response under controlled conditions.
Return to service	Remove bypasses after alarms and process behavior are accepted.

SERVICE PLANNING

People Controls, electrical and operations roles defined.	Information Marking, configuration and connection map available.
Hardware Correct replacement, tools and test equipment prepared.	Process Isolation, test and release windows approved.

Model-specific questions

FAQ

Where is Siemens 3RX9306-1AA00 used?	It is used in the SIMATIC NET platform as a combined AS-Interface power supply.
Which task is assigned to Siemens 3RX9306-1AA00?	The assigned task is combined AS-Interface power supply.
What does input mean for Siemens 3RX9306-1AA00?	Input: 115/230 V AC switchable.
When installing Siemens 3RX9306-1AA00, which frequency must be confirmed?	Confirm 47 to 63 Hz.
How should the mains buffering for Siemens 3RX9306-1AA00 be recorded?	Record the applicable value as 20 ms.
Which terminal technology can distinguish Siemens 3RX9306-1AA00 from a nearby execution?	Use Spring terminals, 0.8 to 2.5 mm² together with the complete model marking.
What functional test completes Siemens 3RX9306-1AA00 commissioning?	Exercise the assigned combined AS-Interface power supply path and verify the expected system response.
Why should Siemens 3RX9306-1AA00 keep its complete suffix or alternate identifier?	The complete marking separates this execution from nearby variants with different interfaces or ranges.

MAINTENANCE DECISIONS

Keep in service	Status and end-to-end response remain stable.
Investigate	Intermittent value, diagnostic or connector condition appears.
Replace	Confirmed product fault persists after field and configuration checks.
Escalate	Identity, compatibility or process consequence remains unclear.

SUCCESSFUL OUTCOME

Identity Exact model and installed position agree.	Connections Every assigned interface is restored.
Configuration All retained settings are active.	Response The process and diagnostic path pass testing.

Precautions and selection

EIGHT PRODUCT PRECAUTIONS

1	Confirm the complete Siemens 3RX9306-1AA00 marking before removal.
2	Place the affected SIMATIC NET function in its approved maintenance state.
3	Record terminals, connectors and installed orientation before disconnection.
4	Retain channel assignments, scaling and communication settings.
5	Inspect mating contacts and terminal hardware for damage or contamination.
6	Restore shields, commons and protective grounding exactly as assigned.
7	Energize under controlled conditions and review module status.
8	Verify the end-to-end process response before release.

RELATED SIEMENS PRODUCT PAGES

Siemens 6ES5946-3UA23	https://www.apterpower.com/Siemens/Siemens-Simatic-S5/6es5946-3ua23
Siemens 6ES5946-3UA22	https://www.apterpower.com/Siemens/Siemens-Simatic-S5/6es5946-3ua22

FINAL PRODUCT SUMMARY

Model	3RX9306-1AA00
Family	SIMATIC NET
Function	combined AS-Interface power supply
Selection basis	Complete identity, interfaces and configured function
Installation basis	Saved connections and controlled configuration
Release basis	Verified mechanical, electrical, logical and process response