Siemens 39VIMNBN
Complete Product Information

PRODUCT OVERVIEW

Product	39VIMNBN
Type	Voltage Input Module
Platform	APACS+
Primary role	process voltage input module

KEY CAPABILITIES

Capability 1 Provides the process voltage input module function.	Capability 2 Integrates with the APACS+ platform.
Capability 3 Retains the assigned signal or communication path.	Capability 4 Uses the complete 39VIMNBN identity for replacement control.

WHERE IT FITS

Installed-base maintenance Restore the assigned process voltage input module 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

System family	APACS+
Signal direction	Field to controller
Input class	Voltage input
Associated assembly	16171-21/03
Mounting context	Existing system position
Connection control	Match installed terminals
Configuration basis	Preserve assigned settings
Acceptance focus	Confirm end-to-end response

CAPABILITY INTERPRETATION

Capability 1	Provides the process voltage input module function. This supports the assigned APACS+ maintenance strategy.
Capability 2	Integrates with the APACS+ platform. This supports the assigned APACS+ maintenance strategy.
Capability 3	Retains the assigned signal or communication path. This supports the assigned APACS+ maintenance strategy.
Capability 4	Uses the complete 39VIMNBN identity for replacement control. This supports the assigned APACS+ maintenance strategy.

SYSTEM RELATIONSHIP

Upstream Field source or system command assigned to the process voltage input module function.	Product role 39VIMNBN performs its configured function inside APACS+.
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 process voltage input module 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	39VIMNBN maintains the assigned process voltage input module 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

Which control family uses Siemens 39VIMNBN?	Siemens 39VIMNBN belongs to the APACS+ platform.
What function does Siemens 39VIMNBN perform?	It performs the process voltage input module function.
Which input class applies to Siemens 39VIMNBN?	Input class: Voltage input.
How does Siemens 39VIMNBN use its associated assembly?	Associated assembly: 16171-21/03.
Why must the mounting context be checked on Siemens 39VIMNBN?	The applicable value is Existing system position and it must match the installed position.
Which connection control should be retained for Siemens 39VIMNBN?	Retain Match installed terminals.
What commissioning result is required for Siemens 39VIMNBN?	Confirm the complete process voltage input module path from its field interface through the assigned system function.
How should Siemens 39VIMNBN be identified before replacement?	Match the full 39VIMNBN marking and all installed interfaces before removal.

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 39VIMNBN marking before removal.
2	Place the affected APACS+ 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 6ES7315-1AF03-0AB0	https://www.apterpower.com/Siemens/Siemens-Simatic-S7-300/6es7315-1af03-0ab0
Siemens 6ES7307-1KA00-0AA0	https://www.apterpower.com/Siemens/Siemens-Simatic-S7-300/6es7307-1ka00-0aa0

FINAL PRODUCT SUMMARY

Model	39VIMNBN
Family	APACS+
Function	process voltage input module
Selection basis	Complete identity, interfaces and configured function
Installation basis	Saved connections and controlled configuration
Release basis	Verified mechanical, electrical, logical and process response