

Westinghouse 5X00300G01

Technical Reference

Westinghouse 5X00300G01 serves as a profibus dp interface module in the Ovation I/O subsystem. It interfaces digital Profibus DP communication with 5X00321G01 Profibus interface personality module.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Provides two network channels for the documented profibus dp interface module function.

Feature 2

Handles digital Profibus DP communication through the specified Ovation I/O subsystem.

Feature 3

Works with 5X00321G01 Profibus interface personality module.

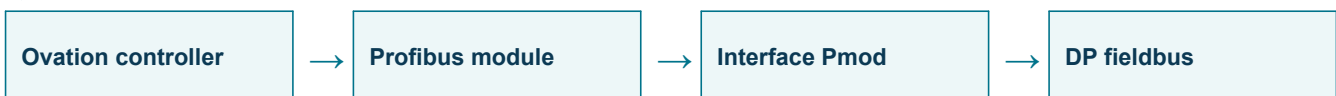
Feature 4

The module provides the electronics side of the documented Ovation Profibus module combination.

VERIFIED DATA SNAPSHOT

Interface	Profibus DP
Channels	2
Personality module	5X00321G01
System role	Bus interface between Ovation and Profibus devices

SYSTEM RELATIONSHIP



APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.



Technical profile

Verified technical values for the complete product string are arranged below for selection and engineering review.

Interface	Profibus DP
Channels	2
Personality module	5X00321G01
System role	Bus interface between Ovation and Profibus devices
Main power	5.1 W/VA typical in the documented configuration

SELECTION ANCHORS

- Provides two network channels for the documented profibus dp interface module function.
- Handles digital Profibus DP communication through the specified Ovation I/O subsystem.
- Works with 5X00321G01 Profibus interface personality module.
- The module provides the electronics side of the documented Ovation Profibus module combination.

IMPORTANT NOTICE

Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check.

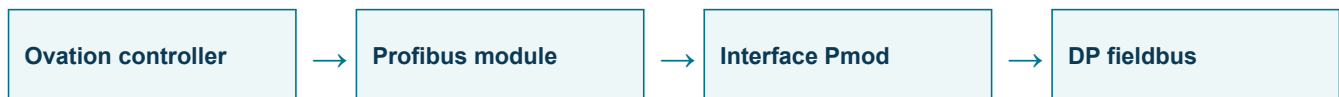
MANUFACTURER SOURCE CONTROLS

Manufacturer source	Emerson Process Management, Planning Your Ovation System REF_1005 (November 2011) and Ovation Bus and Specialty I/O Reference Manual OW360-R1152.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

ADDITIONAL ENGINEERING CHECKS

Which diagnostics should be reviewed when commissioning Westinghouse 5X00300G01?	Review the applicable power, communication, internal-fault and channel-status indications, then compare the controller status with the expected field condition.
Can a nearby ordering code replace Westinghouse 5X00300G01 without an engineering check?	No. Match the complete identifier, companion hardware, signal range, wiring and controlled project configuration before substitution.

System role and architecture



APPLICATION POINTS

Installed-base maintenance Restores the documented profibus dp interface module position without changing the approved system architecture.	Loop or channel service Supports verification of digital Profibus DP communication at the assigned control-system channel.
Planned replacement Provides an exact-identity replacement path when 5X00321G01 Profibus interface personality module and the field interface have been confirmed.	Commissioning support Allows the responsible engineer to prove wiring, configuration, status and response for two network channels.

INTEGRATION RECORD

Identity	Record the complete marking and installed position.
Mechanical interface	Confirm mounting, support, clearance and connector engagement.
Electrical interface	Confirm signal path, shield, common and receiving-channel assignment.
Configuration	Retain the controlled channel settings and acceptance criteria.
Functional evidence	Record the expected static value, dynamic response and system status.

The profibus dp interface module belongs in the controlled Ovation I/O subsystem and works with 5X00321G01 Profibus interface personality module. Its field connection, companion hardware and project configuration must be reviewed together before the channel is returned to service.

ENGINEERING REVIEW QUESTIONS

What function does Westinghouse 5X00300G01 perform?	It is the Ovation electronics module for a two-channel Profibus DP interface used to exchange data with decentralized fieldbus devices.
How many channels are associated with Westinghouse 5X00300G01?	The documented configuration provides two network channels.
Which signal path is used by Westinghouse 5X00300G01?	It is used for digital Profibus DP communication within the specified subsystem.
Which companion hardware must be checked for Westinghouse 5X00300G01?	Confirm 5X00321G01 Profibus interface personality module and the project-specific base or terminal arrangement.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

- 01 Match the complete 5X00300G01 marking to the work order and installed position before removal.
- 02 Confirm 5X00321G01 Profibus interface personality module before making or breaking any field connection.
- 03 Keep the assigned digital Profibus DP communication within the documented subsystem and range.
- 04 Record terminal designations, polarity, common and shield treatment before disconnecting conductors.
- 05 Inspect module seating, connector keying, terminal condition and strain relief before power is restored.
- 06 Restore the controlled channel configuration, range selection and alarm or timeout behavior after installation.
- 07 Check local indicators and controller diagnostics for internal, communication or channel faults during commissioning.
- 08 Prove the intended response across two network channels and record the acceptance result before release.

RELEASE EVIDENCE

Exact identity	Product marking and intended system position agree.
Interface condition	Mounting, connectors, terminals and cable routing are secure.
Signal response	The expected static and dynamic behavior has been observed.
Protection state	Channel status, alarms and controlled bypass state are restored.

IMPORTANT NOTICE

Use 5X00300G01 only with 5X00321G01 Profibus interface personality module; verify the field interface and controlled configuration before energizing the subsystem.

APPLICATION BOUNDARIES

Installed-base maintenance	Restores the documented profibus dp interface module position without changing the approved system architecture.
Loop or channel service	Supports verification of digital Profibus DP communication at the assigned control-system channel.
Planned replacement	Provides an exact-identity replacement path when 5X00321G01 Profibus interface personality module and the field interface have been confirmed.
Commissioning support	Allows the responsible engineer to prove wiring, configuration, status and response for two network channels.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

What function does Westinghouse 5X00300G01 perform?	It is the Ovation electronics module for a two-channel Profibus DP interface used to exchange data with decentralized fieldbus devices.
How many channels are associated with Westinghouse 5X00300G01?	The documented configuration provides two network channels.
Which signal path is used by Westinghouse 5X00300G01?	It is used for digital Profibus DP communication within the specified subsystem.
Which companion hardware must be checked for Westinghouse 5X00300G01?	Confirm 5X00321G01 Profibus interface personality module and the project-specific base or terminal arrangement.
What technical values should be verified before installing Westinghouse 5X00300G01?	Verify Profibus DP; also confirm 2 and every applicable range or wiring selection.
What connection details should be recorded for Westinghouse 5X00300G01?	Record terminal identifiers, polarity, common, shield termination, connector keying and the assigned channel before disconnection.

RELATED MODELS ON APTERPOWER

Westinghouse 5X00419G01	Related product reference. Review the complete ordering string before selection.
Foxboro AD916AE FBM203	Related product reference. Compare the required interface and system position.
Westinghouse 1C31116G01	Related product reference. Confirm the execution independently for the intended task.

SOURCE AND SELECTION RECORD

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