

ADV869-P00 S1

CENTUM VP 32-channel digital input and 32-channel digital output module for ST5

CONTROLLED ENGINEERING COPY

Verify ADV869-P00 S1, ST5 terminal-board identity, KS9 cable, sixteen-channel common groups, input thresholds and output load ratings; record all sixty-four channel assignments and test pulse timing before process release.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	ADV869-P00 S1
Manufacturer part	ADV869-P00 S1
Hardware type	32
System family	Yokogawa CENTUM VP I/O
HS code	8537101190



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete ADV869-P00 S1 marking and its assigned Yokogawa CENTUM VP I/O position before work.
- 2

Place the connected package-machine mixed digital i/o process in the approved maintenance state.
- 3

Isolate applicable power and thirty-two digital inputs and thirty-two transistor digital outputs field energy before disconnecting conductors.
- 4

Record connector, conductor, address, firmware and software identities before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- CENTUM VP node unit
- ST5 terminal board
- KS9 external cable
- field contacts and 30 VDC loads

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	ADV869-P00 S1 / ADV869-P00 S1 recorded
Physical interface	CENTUM VP node unit
Companion check	ST5 terminal board
Functional proof	Combines thirty-two inputs and thirty-two outputs
Application test	Package-machine mixed digital I/O

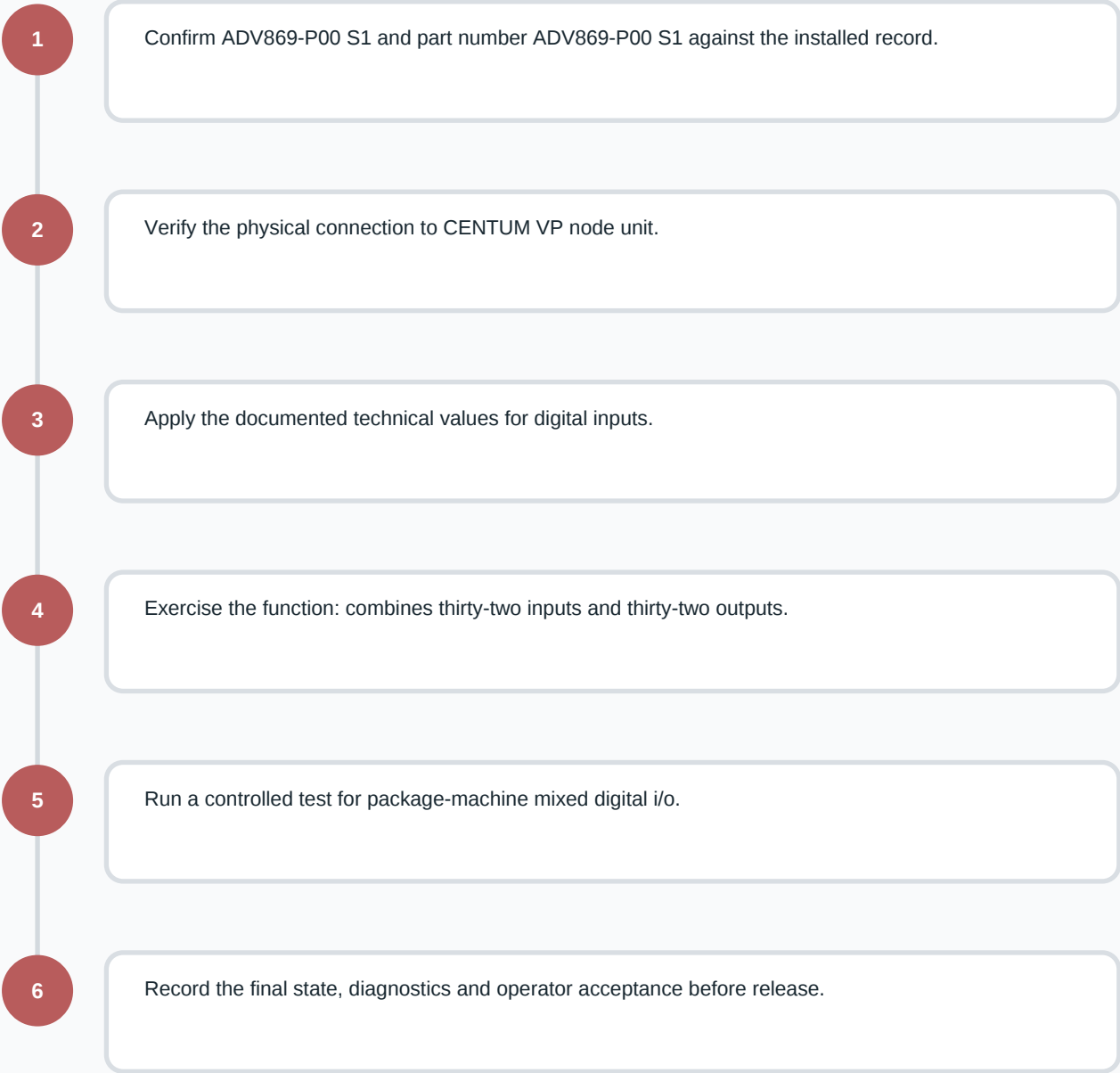
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Digital inputs	32
Digital outputs	32
Compatible terminal board	ST5
Isolation	Isolated; common minus every 16 channels
Contact input OFF	100 kohm or more
Contact input ON	200 ohm or less
Minimum short-circuit current	1.25 mA
Voltage input OFF	4.5 to 25 V DC
Voltage input ON	+/-1 V DC, 200 ohm or less
Input contact rating	5 V DC, 20 mA or more
Input response	8 ms
Output device	Transistor contact
Output rating	30 V DC, 100 mA
Output response	16 ms maximum

FIELD NOTE

Verify ADV869-P00 S1, ST5 terminal-board identity, KS9 cable, sixteen-channel common groups, input thresholds and output load ratings; record all sixty-four channel assignments and test pulse timing before process release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	ADV869-P00 S1 / ADV869-P00 S1 recorded
Physical interface	CENTUM VP node unit
Companion check	ST5 terminal board
Functional proof	Combines thirty-two inputs and thirty-two outputs
Application test	Package-machine mixed digital I/O

04 RETURN-TO-SERVICE RECORD

☐

Confirm the installed CENTUM VP node unit and ST5 terminal board against the approved project.

☐

Restore power in a controlled sequence and review device, network and host diagnostics.

☐

Prove the intended valve and interlock station function and retain the final test result.

☐

Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	ADV869-P00 S1
INSTALLED POSITION	Documented Yokogawa CENTUM VP I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
GE IC670MDL330	Related industrial automation product	View GE IC670MDL330 page
GE IC670MDL331	Related industrial automation product	View GE IC670MDL331 page
GE IC670MDL241	Related industrial automation product	View GE IC670MDL241 page
GE IC670MDL240	Related industrial automation product	View GE IC670MDL240 page
Allen-Bradley 22B-D4P0N104	Related industrial automation product	View Allen-Bradley 22B-D4P0N104 page
GE IC670MDL233	Related industrial automation product	View GE IC670MDL233 page
GE IC670ALG621	Related industrial automation product	View GE IC670ALG621 page
GE IC670ALG630	Related industrial automation product	View GE IC670ALG630 page

SOURCE IDENTIFIERS

Yokogawa CENTUM VP digital I/O module general specification
GS 33J60F70-01EN

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