

ADV869-P00 S1

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

Thirty-two digital inputs and thirty-two transistor digital outputs

IDENTITY	VERIFIED VALUE
Manufacturer	Yokogawa
System family	Yokogawa CENTUM VP I/O
Part number	ADV869-P00 S1
Country	Japan
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



PRODUCT TECHNICAL REFERENCE

2

Technical Specifications

Technical values below are limited to the named Yokogawa product record.

PARAMETER	TECHNICAL 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
Pulse width	8 ms to 7200 s
Pulse resolution	8 ms plus 1 ms maximum delay
Current consumption	800 mA maximum at 5 V DC
External cable	KS9

3

System Role and Architecture

Thirty-two digital inputs and thirty-two transistor digital outputs

FUNCTION 1

Combines thirty-two inputs and thirty-two outputs

FUNCTION 2

Groups channel commons in sets of sixteen

FUNCTION 3

Supports timed pulse-width output

FUNCTION 4

Connects to ST5 through the KS9 cable

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	CENTUM VP node unit
Companion hardware	ST5 terminal board
Field connection	KS9 external cable
Primary system function	Combines thirty-two inputs and thirty-two outputs
Controlled acceptance duty	Package-machine mixed digital I/O

4

Applications and Engineering Context

Package-machine mixed digital I/O

Combines thirty-two inputs and thirty-two outputs

Valve and interlock station

Groups channel commons in sets of sixteen

Time-proportional actuator command

Supports timed pulse-width output

CENTUM VP I/O replacement

Connects to ST5 through the KS9 cable

TECHNICAL 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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

5

Engineering Precautions

- 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330909-00-25-10-02-00	Related industrial automation product	View Bently Nevada 330909-00-25-10-02-00 page
Siemens C98043-A7106-L1	Related industrial automation product	View Siemens C98043-A7106-L1 page
Bently Nevada 330908-21-35-10-02-00	Related industrial automation product	View Bently Nevada 330908-21-35-10-02-00 page
Bently Nevada 330905-0-25-05-02-IN	Related industrial automation product	View Bently Nevada 330905-0-25-05-02-IN page
Bently Nevada 330903-00-07-10-01-CN	Related industrial automation product	View Bently Nevada 330903-00-07-10-01-CN page
Prosoft MVI56-MCM	Related industrial automation product	View Prosoft MVI56-MCM page
Bently Nevada 330903-00-07-10-01-00	Related industrial automation product	View Bently Nevada 330903-00-07-10-01-00 page
ABB PM590-ETH-1SAP150000R02 71	Related industrial automation product	View ABB PM590-ETH-1SAP150000R0271 page

MANUFACTURER SOURCE RECORD

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

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com

