

PW401-S2

CENTUM Power Supply Module

Yokogawa PW401-S2 is a PW401 power-supply module identified for a documented CENTUM distributed-control installation. It supplies the matched controller or I/O hardware in its approved cabinet position.

BRAND	Yokogawa	FAMILY	Yokogawa CENTUM distributed control system
PART	PW401-S2	SYSTEM ROLE	Provides the installed CENTUM power-supply function

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PW401-S2

MANUFACTURER SOURCE RECORD

CENTUM Distributed Control System Product Pollution Prevention Information
Yokogawa document R2-2017-1026, Revision 9, 1 December 2025

Product Overview

SYSTEM FUNCTION

Yokogawa PW401-S2 is a PW401 power-supply module identified for a documented CENTUM distributed-control installation. It supplies the matched controller or I/O hardware in its approved cabinet position.

FUNCTION 1

Provides the installed CENTUM power-supply function

FUNCTION 2

Uses exact base model PW401 for identity control

FUNCTION 3

Retains the documented S2 execution

FUNCTION 4

Supports controlled cabinet power restoration

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Yokogawa CENTUM distributed control system
Primary interface	Provides the installed CENTUM power-supply function
Engineering context	The module is serviced only within the matched CENTUM cabinet and controller or I/O assembly. Commissioning preserves the installed wiring, grounding and redundancy arrangement and verifies all associated node diagnostics.
Commissioning duty	Verify stable process-control operation before release.

TECHNICAL NOTE

Match PW401-S2 to the installed CENTUM cabinet and record its supply position, mating connector and wiring before removal. Isolate the cabinet, preserve redundant-power status where fitted and verify power, node and controller diagnostics after controlled energization.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Base model	PW401	Product class	Power supply module
Style code	S2	System family	CENTUM distributed control system

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
ET5-B	YS1000 terminal component	View ET5-B page
A2EE1A-T	system component	View A2EE1A-T page
VF702	interface module	View VF702 page
SB311-S1	SOE interface module	View SB311-S1 page
ANB10D-427-CU2T	ESB node unit	View ANB10D-427-CU2T page
EC402-51	ESB bus coupler module	View EC402-51 page
CP451-10	S2 processor module	View CP451-10 page
PW482-50	power supply module	View PW482-50 page

ENGINEERING BOUNDARY

Confirm PW401-S2, PW401 base model, S2 execution, CENTUM cabinet and host assembly, installed redundancy, connectors, wiring, protective grounding, cooling, node configuration and controlled startup diagnostics before commissioning.

Applications and Precautions

Common Applications

CENTUM controller power support

Supplies the documented controller hardware in an approved cabinet.

Distributed I/O cabinet service

Restores a matched supply position serving configured I/O nodes.

Redundant power maintenance

Supports one-at-a-time replacement where the installed system provides redundancy.

CENTUM startup validation

Provides the exact supply identity used during node and controller diagnostics.

Product Precautions

- 1

Confirm the complete PW401-S2 marking and installed cabinet position.
- 2

Place the controlled process and associated CENTUM node in the approved maintenance state.
- 3

Isolate the affected supply path and prove it de-energized.
- 4

Record incoming supply, output connector, alarm and protective-earth connections.
- 5

Inspect the cabinet connector, keying, fasteners and cooling path.
- 6

Restore the exact documented supply position and cabinet wiring.
- 7

Energize under control and review supply, node and controller diagnostics.
- 8

Verify stable process-control operation before release.

IMPORTANT NOTICE

Confirm PW401-S2, PW401 base model, S2 execution, CENTUM cabinet and host assembly, installed redundancy, connectors, wiring, protective grounding, cooling, node configuration and controlled startup diagnostics before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	PW401-S2
Configuration	Energize under control and review supply, node and controller diagnostics.
Functional release	Verify stable process-control operation before release.

Engineer FAQ

Q1 How should the complete PW401-S2 identity be verified before replacement?

Confirm PW401-S2, PW401 base model, S2 execution, CENTUM cabinet and host assembly, installed redundancy, connectors, wiring, protective grounding, cooling, node configuration and controlled startup diagnostics before commissioning.

Q3 Which host or carrier must be checked before installing PW401-S2?

The module is serviced only within the matched CENTUM cabinet and controller or I/O assembly. Commissioning preserves the installed wiring, grounding and redundancy arrangement and verifies all associated node diagnostics.

Q5 Which wiring or connector records should be retained for PW401-S2?

Record incoming supply, output connector, alarm and protective-earth connections. Inspect the cabinet connector, keying, fasteners and cooling path.

Q7 Which diagnostics must be reviewed after fitting PW401-S2?

Energize under control and review supply, node and controller diagnostics.

Q2 What system role does PW401-S2 perform in the documented installation?

Yokogawa PW401-S2 is a PW401 power-supply module identified for a documented CENTUM distributed-control installation. It supplies the matched controller or I/O hardware in its approved cabinet position.

Q4 What isolation and ESD controls apply when handling PW401-S2?

Place the controlled process and associated CENTUM node in the approved maintenance state. Isolate the affected supply path and prove it de-energized.

Q6 How should the approved configuration for PW401-S2 be restored?

Restore the exact documented supply position and cabinet wiring.

Q8 What controlled acceptance test completes work on PW401-S2?

Verify stable process-control operation before release.

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