

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Yokogawa
System family	Yokogawa CENTUM distributed control system
Part number	PW401-S2
Product role	Provides the installed CENTUM power-supply function
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING 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.

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Technical Specifications

Technical values below are limited to the named Yokogawa product record and directly applicable manufacturer documentation.

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

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Yokogawa CENTUM distributed control system
Primary system role	Provides the installed CENTUM power-supply function
Connection boundary	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.
Controlled acceptance duty	CENTUM controller power support

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.

Pre-Installation Checks

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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	PW401-S2
Installed host	Yokogawa CENTUM distributed control system
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

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

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Yokogawa CENTUM distributed control system
2	S2
3	CENTUM controller power support
4	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.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Yokogawa CENTUM distributed control system
Interface role	Provides the installed CENTUM power-supply function
Field / power 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 evidence	Verify stable process-control operation before release.

Installation and Connection Checks

1
Inspect the cabinet connector, keying, fasteners and cooling path.

2
Restore the exact documented supply position and cabinet wiring.

3
Energize under control and review supply, node and controller diagnostics.

4
Verify stable process-control operation before release.

MANUFACTURER SOURCE RECORD

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

Applications and Engineering Context

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.

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.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	PW401-S2 recorded
Host / carrier	Yokogawa CENTUM distributed control system
Physical interface	Provides the installed CENTUM power-supply function
Configuration	Energize under control and review supply, node and controller diagnostics.
Functional proof	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.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	PW401-S2
Approved role	CENTUM controller power support
Final validation	Verify stable process-control operation before release.

Engineering 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.

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

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