Yokogawa 0950-3017 PS605-0101

Installation & Commissioning Guide

Yokogawa 0950-3017 PS605-0101 is a legacy control-system power-supply assembly identified by the two linked part references.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Provides the power-conversion function for the assigned control hardware.

Feature 2

Uses a paired part identity that must be retained together.

Feature 3

Fits a keyed installed rack position rather than a generic bench supply role.

Feature 4

Requires the installed nameplate and load arrangement to be captured before replacement.

VERIFIED DATA SNAPSHOT

Module function	Control-system power supply
Power path	Rack and control-electronics supply
Hardware form	Plug-in power assembly
Electrical interface	Keyed rack connector
Grounding boundary	Rack protective-earth system
Supply architecture	Installed station power path
Isolation state for service	De-energized module replacement
Service method	Like-for-like installed-system replacement

SYSTEM RELATIONSHIP

Field device → **Product interface** → **System channel** → **Verified response**

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Pre-installation readiness

READINESS GATE

Identity

Compare the complete marking with the approved work order and installed record.

System match

Confirm the receiving channel, mating components and controlled configuration.

Physical condition

Inspect mounting surfaces, connectors, terminals, cable and support hardware.

Work controls

Apply authorized isolation, bypass, access and restoration procedures.

TECHNICAL PROFILE FOR THE WORK

Module function	**Power path**
Control-system power supply	Rack and control-electronics supply
Hardware form	**Electrical interface**
Plug-in power assembly	Keyed rack connector
Grounding boundary	**Supply architecture**
Rack protective-earth system	Installed station power path
Isolation state for service	**Service method**
De-energized module replacement	Like-for-like installed-system replacement

IMPORTANT NOTICE Resolve every unmatched interface, configuration or receiving-system condition before removal or installation.

CONFIGURATION AND WORK CONTROLS

Configuration identity	Yokogawa 0950-3017 PS605-0101
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

Installation sequence

CONTROLLED WORK STEPS

01	Record both 0950-3017 and PS605-0101 from the installed label.
02	Isolate every upstream source before touching the assembly.
03	Document downstream loads and any configured redundant power path.
04	Compare all nameplate input and output ratings before insertion.
05	Inspect connector keying and contact condition without modifying the rack.
06	Restore protective earth and all power conductors to their original positions.
07	Energize with downstream load observation and fault indicators visible.
08	Confirm stable rack power and controller operation before release.

CONNECTION RECORD

As found	Photograph and label every connection and installed orientation before removal.
Mechanical	Record mounting position, support, clearance and connector engagement.
Electrical	Record polarity, common, shield, channel assignment and cable route.
Configuration	Preserve approved settings, scaling, alarm logic and acceptance limits.
As left	Record the final physical condition and any controlled deviation.



WORK HOLD POINTS

Before removal	Identity, position, wiring, orientation and controlled settings recorded.
Before connection	Mating interfaces, condition and routing reviewed.
Before power-up	Mechanical work, wiring, shielding and configuration independently checked.
Before release	Static value, dynamic response and protection behavior accepted.

Commissioning and functional proof

COMMISSIONING SEQUENCE

Initial state

Observe status at power-up and check for unexpected fault or alarm indication.

Static value

Verify the expected bias, gap, loop, contact or channel value for the application.

Dynamic response

Apply the approved machine or test stimulus and confirm response and scaling.

Protection path

Verify the configured alarm, relay, data or receiving-system behavior.

APPLICATION-SPECIFIC EVIDENCE

Legacy control-station maintenance

Restores the recorded rack power path during planned service.

Power fault recovery

Replaces a failed assembly after upstream and downstream faults are isolated.

Critical spare planning

Maintains a verified spare for the exact installed hardware execution.

Rack refurbishment

Supports controlled renewal when connectors and electrical ratings are documented.

ACCEPTANCE RECORD

Identity	Complete marking and final installed position recorded.
Physical inspection	Mounting, connectors, terminals and routing checked.
Channel status	Expected status and configured measurement confirmed.
Functional test	Required output or protection response demonstrated.
Restoration	Bypasses removed and operating state approved.

COMMISSIONING QUESTIONS

Why are both references retained in Yokogawa 0950-3017 PS605-0101?	The two markings identify one maintained power-supply assembly and should be recorded together for replacement control.
Where does Yokogawa 0950-3017 PS605-0101 sit in the control power path?	It provides rack-level power conversion and distribution for the installed Yokogawa control hardware.
Which ratings govern a Yokogawa 0950-3017 PS605-0101 replacement?	The complete input, output, frequency and load ratings printed on the installed nameplate govern the replacement.
How should upstream isolation be proved before removing Yokogawa 0950-3017 PS605-0101?	Identify every incoming source, apply the approved lockout procedure and verify absence of voltage at the documented terminals.

Release record and technical references

CLOSEOUT QUESTIONS

What connector inspection is appropriate for Yokogawa 0950-3017 PS605-0101?	Check keying, contact alignment, discoloration and retention without altering the rack connector.
How is a redundant arrangement checked around Yokogawa 0950-3017 PS605-0101?	Record both supply positions, isolation devices and load-sharing indication before disturbing either path.
Which downstream information should be saved for Yokogawa 0950-3017 PS605-0101?	Save the rack position, connected loads, protective-earth route and the normal power and fault indications.
What proves Yokogawa 0950-3017 PS605-0101 is ready for service?	Stable rack power, normal controller startup, correct fault indication and unchanged downstream operation complete the acceptance check.

RELATED MODELS FOR INSTALLATION PLANNING

Yokogawa AAI835-S00 S2	Installation-planning reference. Review the complete ordering string before selection.
Yokogawa AIP830-101 S2	Installation-planning reference. Compare the required interface and system position.
Yokogawa ADV161-P50 S2	Installation-planning reference. Confirm the execution independently for the intended task.

CONFIGURATION AND FINAL CONTROL

Configuration identity	Yokogawa 0950-3017 PS605-0101
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

IMPORTANT NOTICE	Release the equipment only after the responsible site authority accepts the recorded result.

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