FSP FSP400-60PFI

Technical Reference and System Integration Map

FSP FSP400-60PFI is a 400 W industrial computer power supply. Its exact marking, installed interfaces and companion equipment must be verified before replacement or commissioning.

01 Exact identity and evidence boundary

Exact offered identity	FSP400-60PFI
Product type	400 W industrial computer power supply
Manufacturer	FSP
System or platform	industrial computer power distribution
Evidence scope	The exact model identity, 400 W rating and universal AC input are cross-consistent; conflicting secondary rail-current claims are intentionally excluded.

Technical purpose

The complete FSP400-60PFI identity establishes the offered hardware. Confirm the installed system, revision and field interfaces before approving the replacement.

Verified engineering data

Rated output power	400 W
AC input range	100 to 240 V AC
Input frequency	50/60 Hz
Maximum marked input current	6.3 A
DC rail set	+3.3 V, +5 V, +12 V, -12 V and +5 V standby
12 V architecture	Separate +12 V1 and +12 V2 rails are identified in cross-checked records
Power-good signal	P.G. signal lead identified in cross-checked wiring records
Protective conductor	Ground return conductors form part of the installed harness
Replacement rule	Match every connector position and rail assignment to the removed supply
Evidence boundary	Individual rail-current values are not published here because available records conflict

02 Parameter groups and system relationship

Engineering role	Multi-rail AC/DC supply for an industrial-computer chassis.
Replacement boundary	Rated wattage alone does not prove connector or rail compatibility.
Installation focus	Preserve harness position, chassis airflow and protective-earth continuity.

System integration map

01 **Identity**

Confirm the complete marking and supplied revision before applying any base-family value.

02 **Interfaces**

Match every mechanical, electrical and communication interface to the installed design.

03 **Companion equipment**

Preserve the documented probe, cable, monitor, connector, supply or controller relationship.

04 **Configuration**

Record the installed settings, channel assignment and baseline before replacement.

05 **Acceptance**

Prove the static reading and operating response against the approved maintenance record.

Operating interpretation

FSP400-60PFI converts a universal-range AC input into the multiple DC rails used by its installed industrial-computer platform. The complete supply label and harness layout are the primary replacement references.

A correct changeover requires connector-by-connector comparison, not only a 400 W match. Record the original plug positions, wire colours, standby rail, power-good lead and protective-earth path before removal.

Commissioning should verify standby behaviour, controlled start-up, each populated rail under load, fan direction and chassis temperature. If the delivered label differs from the recorded unit, hold the replacement for review.

Application and compatibility boundaries

Industrial computer service

Restore the exact multi-rail supply arrangement in a documented computer chassis.

Control-system workstation maintenance

Replace a failed supply while preserving motherboard and storage power connections.

Legacy equipment refurbishment

Use the complete label and connector map to support a controlled like-for-like change.

Bench acceptance

Prove rail presence, standby operation and power-good behaviour with an approved load method.

03 Diagnostic and acceptance reference

How should the connector map of FSP400-60PFI be captured before removal?	Photograph every plug from two angles, label its chassis destination, and record keying, latch direction, wire colours and unused positions before disconnecting the harness.

Diagnostic and acceptance reference — continued

Which live checks are most useful when diagnosing FSP400-60PFI?	Use the approved electrical-safety method to verify AC input, standby output, start command, populated DC rails and power-good state under the installed load.
How can an intermittent shutdown involving FSP400-60PFI be separated from a downstream fault?	Correlate each rail with load current and temperature, then isolate approved loads systematically. Do not condemn the supply from an unloaded voltage check alone.
What must be verified before fitting a substitute for FSP400-60PFI?	Compare the complete label, mechanical envelope, fan direction, connector count, keying, pin assignments, standby rail and power-good behaviour.
How should protective-earth integrity be proved for FSP400-60PFI?	With power isolated, inspect the earth conductor and mounting points, then measure continuity using the site-approved method and record the result before energizing.
What thermal evidence should be recorded after installing FSP400-60PFI?	Record inlet and exhaust condition, fan operation and stabilized chassis temperature while the computer runs its representative workload.

Commissioning sequence

01 **Before removal**

Photograph full markings, terminations, companion identities and the installed mechanical datum.

02 **Bench review**

Check the offered item for revision, connector condition and configuration-sensitive differences.

03 **Installation**

Apply the manufacturer mounting, wiring, shielding, ventilation and environmental rules.

04 **Prove and close**

Verify supply, continuity, gap, bias or channel state, compare the operating response with the accepted baseline, and save the as-left record before release.

Technical notes

Installation relationship	Use the exact model marking and manufacturer wiring or installation information for the delivered hardware.
System boundary	Verify host equipment, companion interfaces, field wiring and configuration before energizing.
Technical reference	cross-checked FSP400-60PFI nameplate data from multiple established industrial-parts records.

Engineering decision log

Identity decision	Exact offered marking accepted / held for clarification
Compatibility decision	Installed interfaces and companion equipment confirmed / action required
Operating proof	Static and dynamic checks accepted / additional test required

04 Field documentation worksheet

Use this model-specific worksheet to keep the offered identity, installed-system evidence and acceptance record together.

Additional engineering questions

Why are individual rail-current values not assigned to FSP400-60PFI on this page?	Available independent records disagree on several rail currents. Use the supplied nameplate and installed-system documentation as the controlling source.
What constitutes an acceptable as-left record for FSP400-60PFI?	Retain label photographs, connector map, earth-continuity result, standby and loaded rail measurements, power-good behaviour and final operating observation.

Field record

Complete order marking	FSP400-60PFI
Revision and approval marks	Record from the supplied nameplate or label
Installed system and channel	Record cabinet, rack, slot, monitor or machine location
Companion equipment	Record the matched cable, connector, base, monitor, supply or controller identities
Interface check	Record mechanical fit, terminal assignment, polarity, shielding and communication details
Pre-removal baseline	Record the accepted static reading, channel state and operating response
As-left verification	Record the measured result after installation and the approved acceptance method

Release evidence package

Identity evidence	Nameplate, label and complete-order photographs
Interface evidence	Connector, terminal, cable, mounting and companion-equipment record
Configuration evidence	Installed assignment, setting, revision or chain-length record
Test evidence	Static measurement, channel state and operating-response result
Release evidence	Exceptions, corrective actions, reviewer and approval date

Related Apter Power product references

Related product	6EP1336-2BA10
Related product	SPS5785 51198651-100
Related product	531X111PSHARG3
Related product	PSTX300-600-70

Discuss the exact marking and installed application with Apter Power.
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