6FC5370-8AA20-0AA0

01 / Product identity and control context

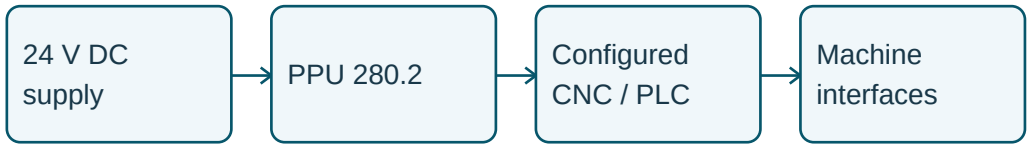
CNC Panel Processing Unit

Siemens 6FC5370-8AA20-0AA0 is the vertical PPU 280.2 CNC hardware execution for SINUMERIK 828D.

Key characteristics

Product type	CNC Panel Processing Unit
Product series	SINUMERIK 828D
PPU execution	PPU 280.2

Functional relationship



PPU execution

Match 6FC5370-8AA20-0AA0, PPU 280.2, the hardware revision and the vertical panel arrangement.

Configuration boundary

Data applies to the vertical PPU 280.2 hardware execution. CNC software, licensed options and machine-specific functions require separate configuration matching.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

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02 / Technical characteristics

Hardware and functional data

Product series	SINUMERIK 828D
PPU execution	PPU 280.2
Mounting position	Vertical
Supply voltage	24 V DC, +20% / -15%
Maximum active power	60 W
Power-interruption buffering	3 ms; 20 ms with applicable SITOP smart supply

Interfaces and operating conditions

Front protection	IP65 with front flap closed
Rear protection	IP20 / UL open type
Front operating temperature	0 to +45 °C
Rear operating temperature	0 to +55 °C
Operating humidity	5 to 90% at 25 °C; no condensation or icing

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03 / Application and integration contexts

Configured CNC operation

Use the exact PPU with the matching CNC software, options and machine configuration.

Machine control restoration

Restore the approved CNC and PLC backups when replacing the panel-processing hardware.

Machine configuration

Match the CNC software, PLC program, machine data and configured peripheral interfaces.

Operator-panel integration

Preserve the vertical mounting and separate front/rear environmental protection.

Power and restart verification

Validate the DC supply and machine-specific response to interruption and controlled restart.

Power and environment

Verify the 24 V DC supply, available power and separate front/rear protection and temperature conditions.

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04 / Installation and release decisions

PPU execution

Match 6FC5370-8AA20-0AA0, PPU 280.2, the hardware revision and the vertical panel arrangement.

Machine configuration

Match the CNC software, PLC program, machine data and configured peripheral interfaces.

Power and environment

Verify the 24 V DC supply, available power and separate front/rear protection and temperature conditions.

Machine acceptance

Restore the approved backups and verify the machine-specific functions, diagnostics and controlled restart.

Protect the hardware

Use the applicable isolation and electrostatic-discharge controls. Preserve connectors, identification and mechanical retention during handling.

Verify the restored function

Apply the approved site acceptance procedure and compare actual behavior with the recorded system configuration before returning equipment to service.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

The manufacturer lifecycle phase is Product Discontinuation. Evaluate the complete CNC hardware/software and machine configuration before selecting a successor.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

Siemens 6FC5370-8AA20-0AA0 Product Data Sheet; SINAMICS S120 Combi Equipment Manual, 01/2012.

Related product references

Siemens 6FC5370-4AM20-0AA0

Siemens 6SC6100-0ND20

Siemens 6DD1661-0AE0

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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