01 / Identity and job scope

SIEMENS

6FX1113-0AE02

CPU Module

Product role

Siemens 6FX1113-0AE02 is the SINUMERIK 8 MS102 CPU export configuration, specified without a software module or 6EW1000-7AA battery.

Separate software
Installed program-memory arrangement

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MS102 CPU
SINUMERIK 8 control processing

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Machine application
Configured program and parameters

Applicability

The order code identifies the export MS102 CPU without software module and battery. System 8 programming functions depend on the installed control and software; they are not board electrical ratings.

Hardware and configuration

The 6FX1113-0AE02 is the SINUMERIK 8 MS102 CPU in the export configuration. Its order definition excludes the software module and 6EW1000-7AA battery. Preserve this complete reference when matching an installed CPU, and confirm any separately offered memory, software or battery items in the supply scope.

Planning basis

This Apter Power guide supports identification and engineering planning. Apply the complete manufacturer and machine-builder procedures for the actual installation.

02 / Configuration and interface readiness

Item	Configuration relationship
System family	SINUMERIK 8
Module designation	MS102 CPU
Order variant	Export configuration
Software module	Excluded from the order definition
Battery reference	6EW1000-7AA; excluded from the order definition
Cycle implementation	Control program memory; configuration-dependent
Programming context	System 8 Q-address functions and R parameters

Technical context

In System 8, machining cycles reside in control program memory rather than being inherent hardware functions. The applicable programming instructions describe Q-address functions for machine and technological cycles, together with R-parameter calculations. The installed control variant and software determine which functions can be used and entered from the operator panel.

Does the order definition of 6FX1113-0AE02 include a software module?

No. The CPU order definition excludes the software module; match the separate installed software configuration.

Which battery is excluded from the order definition of 6FX1113-0AE02?

The identified excluded battery is 6EW1000-7AA. Confirm any separately supplied battery against the installed arrangement.

03 / Installation and connection decisions

Isolate the control

Place the machine in a safe state and isolate supplies before handling the CPU.

Retain the export identity

Match the complete 6FX1113-0AE02 marking and hardware revision.

Record separate modules

Identify the software and program-memory arrangement before removing the CPU.

Check battery scope

The order definition excludes 6EW1000-7AA; confirm the actual installed battery arrangement separately.

Installation context

The programming environment distinguishes conditional and unconditional jumps, mathematical operations, parameter loading and access to system stores. Function availability and entry restrictions vary across System 8 control variants. Retain the machine program, parameter data and matching software configuration during CPU service; the presence of an MS102 CPU alone does not establish a particular cycle package or software option.

Are System 8 cycles built into the hardware of 6FX1113-0AE02?

System 8 cycles are stored in control program memory; the CPU identity alone does not establish the installed cycle package.

What does Q-address programming mean in the system using 6FX1113-0AE02?

Q-address functions support machine and technological cycle programming in the applicable System 8 control and software configuration.

04 / Functional acceptance planning

Application	Controlled review
CPU replacement planning	Match the full export MS102 reference and preserve the installed software arrangement.
Program-memory retention	Keep cycle and machine-program data with the corresponding control configuration.
Cycle configuration review	Review applicable Q-address functions and R-parameter use for the installed System 8 software.
Controlled system recovery	Restore the validated program and parameters, then check machine behavior under the approved procedure.

Are all System 8 functions available with 6FX1113-0AE02?

No such blanket capability follows from the CPU order code. Function availability and operator-panel entry restrictions depend on the control variant and software.

What data must be preserved when replacing 6FX1113-0AE02?

Retain the machine program, parameter data and the matching software and program-memory configuration, then validate the restored control before release.

Release boundary

Check software compatibility and controlled machine operation before production release.

Record
Keep the original configuration

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Test
Observe controlled response

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Release
Authorize normal operation

05 / Technical handover and support

Retained information

Keep the complete 6FX1113-0AE02 marking, host identity, connection photographs, configuration backup and controlled-test results in the service record.

Support planning

Confirm current support and replacement guidance with Siemens for the installed identity and configuration. Apter Power availability and dispatch are separate quotation matters.

Reference basis

Siemens 6FX1113-0AE02 product identification; SINUMERIK System 8 programming instructions, Part 2, Edition 12.83.

Apter Power technical summary; not a manufacturer-issued manual. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

Siemens 6EW1860-3AA

Siemens 6ES5312-3AB31

Siemens 6ES5374-1KH21

Discuss your installed configuration

Send the full unit marking and connection details.

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