01 / Product and system dashboard

SIEMENS

6FX1113-4AD01

Measuring Circuit Module

Product role

Siemens 6FX1113-4AD01 is the SINUMERIK 8 MS301-D measuring-circuit assembly with additional MS340-A PCB for a minimum five-axis configuration.

Measuring equipment
Installed axis and feedback arrangement

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MS301-D + MS340-A
Configured measuring circuit

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SINUMERIK 8
Matching control and software

Engineering scope

The exact order configuration is MS301-D with MS340-A for a minimum of five axes. System functions depend on the installed control and software; platform values are not standalone board ratings.

02 / Verified identity and technical relationships

Property	Applicable fact	Property	Applicable fact
System family	SINUMERIK 8	Assembly role	Measuring circuit
Main circuit designation	MS301-D	Probe-interface context	MS301 X304.4 in the applicable 8MC arrangement
Additional PCB	MS340-A	Configuration boundary	Installed control, software and machine wiring
Order configuration	Minimum 5 axes		

Configuration boundary

The exact order configuration is MS301-D with MS340-A for a minimum of five axes. System functions depend on the installed control and software; platform values are not standalone board ratings.

03 / Applications and system integration

Measuring-circuit maintenance

Retain the MS301-D and MS340-A combination when checking the existing assembly.

Axis configuration continuity

Preserve installed axis allocation and machine data through the replacement procedure.

Probe-interface review

Check the applicable probe input, enable condition and machine wiring before commissioning.

Feedback verification

Confirm the actual measuring and reference behavior under controlled machine conditions.

Functional context

System 8 interface functions connect numerical control, interface control and machine signals. In the applicable 8MC arrangement, the MS301 family includes the fast measuring-probe input at X304.4; its response depends on the configured probe-enable signal. Treat that reference as an installation-specific connection, and confirm the actual assembly revision and machine diagram before use.

04 / Service and installation decisions

Isolate machine motion

Place all axes in a safe state and isolate the control before handling the assembly.

Match both boards

Verify MS301-D and MS340-A markings together with the full order code.

Retain axis data

Back up and preserve the installed axis and machine-data configuration.

Verify feedback wiring

Record measuring-system connections and their assignments before removal.

Apply the exact diagram

Do not transfer a platform connector reference to a different assembly revision without verification.

Test under control

Check feedback, referencing and applicable probe functions before restoring normal motion.

05 / Reference basis and related portfolio

Lifecycle and supply

End of product lifecycle. Request current support and replacement guidance using the complete 6FX1113-4AD01 identity. Apter Power availability is confirmed separately in the quotation.

Reference basis

Siemens 6FX1113-4AD01 product identification; SINUMERIK System 8 interface description, Part 2, Edition 04.84; 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 6ES5451-4UA13

Siemens 6ES5946-3UA22

Siemens 6AV6642-0BA01-1AX0

Discuss your installed configuration

Send the full unit marking and connection details.

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