

SIMATIC S7-400 AUTOMATION SYSTEMS

Product Data Sheet

6ES7416-2FN05-0AB0

CPU 416-2 central processor

FUNCTION CPU 416-2 central processor	FAMILY SIMATIC S7-400 automation systems	ORIGIN Germany	WEIGHT Confirm before dispatch
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S7-400 6ES7416-2FN05-0AB0 is a CPU 416-2 central processor for the SIMATIC S7-400 automation systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6ES7416-2FN05-0AB0
Product Class	Cpu 416-2 Central Processor
Product Family	SIMATIC S7-400 automation systems
Controller Platform	SIMATIC S7-400
Programming Environment	STEP 7
Program Processing	Cyclic and interrupt OBs
Communication	MPI / PROFIBUS / PROFINET by article
Memory Type	Integrated work memory
Digital Processing	Boolean and integer instructions
Analog Processing	Floating-point instructions

ADDITIONAL PRODUCT DATA

Diagnostic Buffer	Retentive event log
Real-Time Clock	Hardware clock integrated
Mounting	SIMATIC mounting rail / rack
Supply Class	24 V DC or rack backplane

OFFICIAL APPLICATIONS

- Stabilize filtration backwash with Cpu 416 process control: Within the filter cells and backwash valves, 6ES7416-2FN05-0AB0 provides its specified system function as a CPU 416-2 central processor. During filter loading, the system uses this function to sequence isolation, drain and rinse paths, helping it return the filter to production in a known state.
- Coordinate cooling-water circulation with Cpu 416: Within the circulating pumps and heat exchangers, 6ES7416-2FN05-0AB0 serves its documented function as a CPU 416-2 central processor. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.
- Monitor utility distribution with Cpu 416 process control: Inside the steam, cooling and instrument-air headers, 6ES7416-2FN05-0AB0 supports the configured automation role as a CPU 416-2 central processor. During utility constraint, the system uses this function to prioritize process users from measured demand, helping it protect production continuity during the constraint.

SYSTEM COMPATIBILITY

Match 6ES7416-2FN05-0AB0 to the installed SIMATIC S7-400 automation systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6ES7416-2FN05-0AB0>

AMIKON PRODUCT SUPPORT

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