

SIMATIC S7-400 AUTOMATION SYSTEMS

Product Data Sheet

6ES7414-2XG04-0AB0

CPU 414-2 central processing unit

FUNCTION	FAMILY	ORIGIN	WEIGHT
CPU 414-2 central processing unit	SIMATIC S7-400 automation systems	Germany	Confirm before dispatch

S7-400 6ES7414-2XG04-0AB0 is a CPU 414-2 central processing unit 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	6ES7414-2XG04-0AB0
Product Class	Cpu 414-2 Central Processing Unit
Product Family	SIMATIC S7-400 automation systems
Control Supply	24 V DC or system backplane
Backplane Interface	SIMATIC system bus
Programming	STEP 7 / TIA Portal
Process Image	Cyclic I/O exchange
Diagnostics	Module and channel status
Isolation	Galvanically isolated field circuits
Mounting	SIMATIC rail or rack

Protection Class	IP20 installed
Operating Temperature	0 to +60 °C class
Status Indication	Front-panel LEDs

- Synchronize recipe mixing with Cpu 414 process control: Across the mixers and ingredient skids, 6ES7414-2XG04-0AB0 handles its designated signal or control duty as a CPU 414-2 central processing unit. During recipe changeover, the system uses this function to sequence material transfers and equipment permissives, helping it preserve the verified batch state.
- Manage utility distribution with Cpu 414 process control: Within the steam, cooling and instrument-air headers, 6ES7414-2XG04-0AB0 supports the configured automation role as a CPU 414-2 central processing unit. During utility constraint, the system uses this function to prioritize process users from measured demand, helping it protect production continuity during the constraint.
- Monitor press sequencing with Cpu 414 process control: As part of the feed systems, dies and safety interfaces, 6ES7414-2XG04-0AB0 supports the configured automation role as a CPU 414-2 central processing unit. During part change, the system uses this function to apply the selected product recipe to the sequence, helping it produce the intended part without skipping an interlock.

Match 6ES7414-2XG04-0AB0 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.

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

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6ES7414-2XG04-0AB0>

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