

SIMATIC S7-400 AUTOMATION SYSTEMS

Product Data Sheet

6ES7413-2XG02-0AB0

CPU 413-2 central processor

FUNCTION CPU 413-2 central processor	FAMILY SIMATIC S7-400 automation systems	ORIGIN Germany	WEIGHT Confirm before dispatch
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S7-400 6ES7413-2XG02-0AB0 is a CPU 413-2 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	6ES7413-2XG02-0AB0
Product Class	Cpu 413-2 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

- Control conveyor routing with Cpu 413 process control: Within the zone conveyors and merge points, 6ES7413-2XG02-0AB0 performs its assigned control role as a CPU 413-2 central processor. During route change, the system uses this function to coordinate destination data with equipment permissives, helping it move the item to the assigned process.
- Govern product blending with Cpu 413 process control: In the automation chain for the component tanks and blend headers, 6ES7413-2XG02-0AB0 serves its documented function as a CPU 413-2 central processor. During blend correction, the system uses this function to adjust component addition from quality feedback, helping it bring the blend toward its release target.
- Manage turbine auxiliary control with Cpu 413: As part of the lube-oil pumps and turning gear, 6ES7413-2XG02-0AB0 provides its specified system function as a CPU 413-2 central processor. During unit run-up, the system uses this function to coordinate permissives and auxiliary equipment states, helping it support a stable transition to rated operation.

SYSTEM COMPATIBILITY

Match 6ES7413-2XG02-0AB0 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/6ES7413-2XG02-0AB0>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM