

SIMATIC S7-300 AUTOMATION SYSTEMS

Product Data Sheet

6ES7313-6CF03-0AB0

CPU 313C-2 DP compact controller

FUNCTION CPU 313C-2 DP compact controller	FAMILY SIMATIC S7-300 automation systems	ORIGIN Germany	WEIGHT 0.50 kg
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Siemens Simatic S7 6ES7313-6CF03-0AB0 is a CPU 313C-2 DP compact controller for the SIMATIC S7-300 automation systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6ES7313-6CF03-0AB0
Product Class	Cpu 313C-2 Dp Compact Controller
Product Family	SIMATIC S7-300 automation systems
CPU Type	CPU 313C-2 DP
Work Memory	64 KB
Digital Inputs	16 integrated
Digital Outputs	16 integrated (Digital Outputs)
High-Speed Counters	3 at 30 kHz
PROFIBUS Interface	Integrated DP master/slave
MPI Interface	Integrated

ADDITIONAL PRODUCT DATA

Supply Voltage	24 V DC
Programming	STEP 7 V5.3 SP2 or later
Memory Card	SIMATIC Micro Memory Card required

OFFICIAL APPLICATIONS

- Align ingredient dosing with Cpu 313C process control: In the automation chain for the batch vessels and dosing valves, 6ES7313-6CF03-0AB0 handles its designated signal or control duty as a CPU 313C-2 DP compact controller. During batch release, the system uses this function to align measured quantities with the active batch step, helping it hold dosing accuracy through the cycle.
- Sequence conveyor routing with Cpu 313C process control: Inside the zone conveyors and merge points, 6ES7313-6CF03-0AB0 handles its designated signal or control duty as a CPU 313C-2 DP compact controller. During route change, the system uses this function to coordinate destination data with equipment permissives, helping it move the item to the assigned process.
- Monitor aeration control with Cpu 313C process control: Within the blowers and dissolved-oxygen loops, 6ES7313-6CF03-0AB0 operates in its approved product-family role as a CPU 313C-2 DP compact controller. During changing oxygen demand, the system uses this function to adjust air delivery from process feedback, helping it stabilize treatment performance.

SYSTEM COMPATIBILITY

Match 6ES7313-6CF03-0AB0 to the installed SIMATIC S7-300 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/6ES7313-6CF03-0AB0>

AMIKON PRODUCT SUPPORT

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