

OFFICIAL PRODUCT DATA

Data Sheet

6ES7314-6CG03-0AB0

PRODUCT DESCRIPTION

SIMATIC S7-300 CPU 314C-2 DP Compact CPU

Siemens CPU 314C-2 DP executes compact automation tasks with integrated digital, analog, counter and PROFIBUS DP functions.

01

VERIFIED PRODUCT IDENTITY

Manufacturer	Siemens
Article number	6ES7314-6CG03-0AB0
Product description	SIMATIC S7-300 CPU 314C-2 DP Compact CPU

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DOCUMENT BASIS

Technical values are transcribed from the Siemens official Data Sheet for article 6ES7314-6CG03-0AB0. Values apply to this exact article number unless the source states a family-level condition.

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TECHNICAL DATA

Product designation	CPU 314C-2 DP
Work memory	96 KB
Digital inputs	24
Digital outputs	16
Analog inputs	4 voltage/current + 1 Pt100
Analog outputs	2
High-speed counters	4 at 60 kHz
Integrated fieldbus	PROFIBUS DP master/slave
Programming interface	MPI
Rated supply	24 V DC
Supply range	20.4 to 28.8 V DC
Typical power loss	14 W
Bit operation time	0.1 microsecond typical
Memory card	SIMATIC Micro Memory Card required
Programming package	STEP 7 V5.3 SP2 or higher

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DOCUMENTED FUNCTIONS

- Compact controller program execution
- Integrated digital and analog signal processing
- High-speed counting and pulse functions
- Distributed I/O communication through PROFIBUS DP
- Retentive program and data storage on Micro Memory Card