

SIMATIC S7-300 CPU 314C-2 DP

Product Data Sheet

6ES7314-6CF01-0AB0

Compact PLC central processor

WORK MEMORY	MAXIMUM LOAD MEMORY	SUPPLY VOLTAGE	POWER LOSS
48 KB	8 MB on Micro Memory Card	24 V DC, 20.4 to 28.8 V	14 W

Siemens 6ES7314-6CF01-0AB0 is the CPU 314C-2 DP compact controller in the SIMATIC S7-300 range. It combines programmable control, integrated field I/O and PROFIBUS communication for configured machine automation.

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VERIFIED TECHNICAL DATA

Work memory	48 KB
Maximum load memory	8 MB on Micro Memory Card
Supply voltage	24 V DC, 20.4 to 28.8 V
Power loss	14 W
Integrated digital inputs	24
Integrated digital outputs	16
Analog voltage/current inputs	4
Temperature input	1 Pt100
Analog outputs	2
High-speed counters	4, 60 kHz

ADDITIONAL PRODUCT DATA

Bit instruction time	0.1 micros
Word instruction time	0.2 micros
Data block count	511 maximum
Maximum data block length	16 KB
Communication	MPI and PROFIBUS DP

DOCUMENTED USE SETTINGS

Automotive Production and Vehicle Assembly Processes: Vehicle Assembly Production.

Food Production and Beverage Manufacturing Processes: Food Ingredient Processing.

Packaging Material Production and Consumer Packaging: Packaging Material Manufacturing.

SYSTEM COMPATIBILITY

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PRODUCT EVIDENCE

Siemens SIMATIC S7-300 CPU 314C-2 DP technical documentation

AMIKON PRODUCT SUPPORT

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