

SIMATIC S7-200 CPU224XP

Product Data Sheet

6ES7214-2AD23-0XB0

CPU 224XP DC compact controller

SUPPLY VOLTAGE	MAXIMUM SUPPLY CURRENT	MAXIMUM INRUSH CURRENT	MAXIMUM 24 V SENSOR SUPPLY CURRENT
24 V DC; 20.4 to 28.8 V	900 mA, depending on expansion load	12 A at 28.8 V	280 mA

Siemens 6ES7214-2AD23-0XB0 is the DC-powered CPU 224XP compact controller in the SIMATIC S7-200 family. It executes a configured automation program with integrated digital and analog I/O for compatible machine and process applications.

01

VERIFIED TECHNICAL DATA

Supply voltage	24 V DC; 20.4 to 28.8 V
Maximum supply current	900 mA, depending on expansion load
Maximum inrush current	12 A at 28.8 V
Maximum 24 V sensor supply current	280 mA
Integrated program memory	16 KB; 12 KB with run-time editing
Integrated data memory	10 KB
Maximum bit-operation time	0.22 micros
Digital inputs	14
Digital DC outputs	10
Analog inputs	2

ADDITIONAL PRODUCT DATA

Analog outputs	1
PPI/freeport interfaces	2
S7 counters	256
S7 timers	256
Maximum expansion modules	7, subject to available supply current

DOCUMENTED USE SETTINGS

Automotive Production and Component Manufacturing: Automotive Component Manufacturing.

Packaging Production and Industrial Material Processing: Industrial Packaging Production.

Food Processing and Beverage Production: Food Production and Processing.

SYSTEM COMPATIBILITY

6ES7214-2AD23-0XB0 belongs to the SIMATIC S7-200 CPU224XP family and provides the documented cpu 224xp dc compact controller function. Its supply voltage is 24 V DC; 20.4 to 28.8 V; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens SIMATIC S7-200 CPU224XP manufacturer documentation; applicable pages 1, 2, 3, 4, 5, 6, 7