AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7214-2BD23-0XB0

CPU 224XP AC/DC/relay

SUPPLY	INPUTS	OUTPUTS	PORTS
120-240 V AC	**14 digital**	**10 relay**	**2 RS485**

The Siemens 6ES7214-2BD23-0XB0 is an S7-200 CPU 224XP with AC supply, fourteen digital inputs and ten relay outputs. Two analog inputs, one analog output and two RS485 ports distinguish its integrated hardware from the smaller CPU 224.

01 VERIFIED TECHNICAL INFORMATION

Controller	S7-200 CPU 224XP AC/DC/relay
Supply voltage	120-240 V AC nominal; 85-264 V AC permissible
Digital inputs	14 inputs, 24 V DC
Digital outputs	10 relay outputs; 2 A maximum per point
Analog inputs	2 single-ended inputs, +/-10 V
Analog input resolution	11 bits plus 1 sign bit
Analog input conversion time	125 ms

Manufacturer evidence: S7-200 Programmable Controller System Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Analog output	1 channel; 0-10 V or 0-20 mA
Analog output resolution	12 bits
Program memory	12288 bytes with run-mode edit; 16384 bytes without
User data memory	10240 bytes
Communication	2 RS485 ports; PPI/MPI slave/Freeport
Expansion capacity	7 modules, subject to power budget
Power dissipation	11 W
Bare dimensions	140 x 80 x 62 mm (W x H x D)

03 SOURCE AND CONFIGURATION CHECKS

Its analog channels support bipolar voltage measurement and a selectable voltage or current output. Program capacity changes with run-mode editing, while expansion remains subject to the controller's power budget. Relay switching and analog performance must be checked separately against the application's signal and timing requirements.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

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