SIMATIC S7-200 CPU224

Product Data Sheet

6ES7214-1BD23-0XB0

Compact AC Relay CPU

SUPPLY SELECTION	DIGITAL INPUT ALLOCATION	RELAY OUTPUT ALLOCATION	PROGRAM CAPACITY
120/230 V AC	**14 at 24 V DC**	**10**	**12 kbyte; 8 kbyte with runtime edit**

Siemens 6ES7214-1BD23-0XB0 is a compact ac relay cpu in the SIMATIC S7-200 CPU224 range. It executes the downloaded machine-control program through integrated digital inputs and relay outputs.

01 VERIFIED TECHNICAL DATA

Supply selection	120/230 V AC
Digital input allocation	14 at 24 V DC
Relay output allocation	10
Program capacity	12 kbyte; 8 kbyte with runtime edit
Data memory	8 kbyte
Bit operation time	0.22 micros maximum
Expansion module ceiling	7 S7-22x modules
Sensor supply current	280 mA maximum at 24 V DC
High-speed counters	6, up to 30 kHz each
Integrated serial interface	RS-485

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

PPI bit rates	9.6 / 19.2 / 187.5 kbit/s
Relay resistive current	2 A per output
Relay response delay	10 ms maximum
Protection class	IP20
Horizontal ambient	0 to 55 deg C

03 DOCUMENTED USE SETTINGS

Food Processing and Beverage Production Industries: Food Processing and Packaging.

Packaging Manufacturing and Industrial Filling Production: Industrial Packaging Production.

Water Supply and Wastewater Treatment Processes: Drinking Water Treatment.

04 SYSTEM COMPATIBILITY

Match 6ES7214-1BD23-0XB0 to the accepted SIMATIC S7-200 CPU224 configuration and associated parts before integration.

05 PRODUCT EVIDENCE

Siemens S7-200 System Manual; CPU224 AC/DC/Relay order code and applicable specifications / connection drawing

AMIKON PRODUCT SUPPORT

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