SIMATIC S7-1200 CPU 1214C AC/DC/RELAY

Product Data Sheet

6ES7214-1BG31-0XB0

AC supplied relay controller

CPU SUPPLY	MAINS FREQUENCY	ONBOARD DIGITAL INPUTS	ONBOARD RELAY OUTPUTS
85-264 V AC	**47-63 Hz**	**14 at 24 V DC**	**10, 2 A resistive maximum**

Siemens 6ES7214-1BG31-0XB0 is the AC/DC/relay CPU 1214C compact controller for SIMATIC S7-1200. It integrates fourteen 24 V DC digital inputs, ten relay outputs and two 0-10 V analog inputs. The CPU accepts 85-264 V AC at 47-63 Hz.

01 TECHNICAL DATA

CPU supply	85-264 V AC
Mains frequency	47-63 Hz
Onboard digital inputs	14 at 24 V DC
Onboard relay outputs	10, 2 A resistive maximum
Integrated analog inputs	2, 0-10 V
Working memory	75 kbyte
Integrated load memory	4 Mbyte
Typical input demand	100 mA at 120 V; 50 mA at 240 V
Maximum inrush	20 A at 264 V
Backplane current provision	1.6 A maximum at 5 V

Siemens 6ES7214-1BG31-0XB0 original product data, applicable source pages 1, 2, 3, 4, 5, 6, 7, 8.

02 ADDITIONAL PRODUCT DATA

Typical dissipation	14 W
Retentive data allowance	10 kbyte maximum
Typical bit instruction	0.085 microsecond
Expansion allowance	3 communication modules, 1 signal board, 8 signal modules
Programming package	STEP 7 V11 SP2 or later

03 PRODUCT FUNCTION

The controller provides 75 kbyte working memory and 4 Mbyte integrated load memory. Relay contacts switch resistive loads up to 2 A, while the analog channels use 10-bit conversion. Expansion accommodates eight signal modules, one signal board and three communication modules.

04 SYSTEM COMPATIBILITY

Feed the CPU from 85-264 V AC and retain the separate 24 V input circuits. Coordinate the external relay fuses and the expansion load on the 5 V backplane.

05 REFERENCE

Siemens 6ES7214-1BG31-0XB0 original product data, applicable source pages 1, 2, 3, 4, 5, 6, 7, 8.

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