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

Product Data Sheet

6ES7214-1HG31-0XB0

DC supplied relay controller

CPU SUPPLY RANGE	INTEGRATED DIGITAL INPUTS	RELAY CONTACT OUTPUTS	ANALOG VOLTAGE INPUTS
20.4-28.8 V DC	**14 at 24 V DC**	**10, 2 A resistive maximum**	**2, 0-10 V**

Siemens 6ES7214-1HG31-0XB0 is the DC/DC/relay version of the SIMATIC S7-1200 CPU 1214C. A 24 V DC supply powers fourteen digital inputs, ten relay outputs and two analog voltage inputs. The permissible CPU supply range is 20.4-28.8 V DC.

01 TECHNICAL DATA

CPU supply range	20.4-28.8 V DC
Integrated digital inputs	14 at 24 V DC
Relay contact outputs	10, 2 A resistive maximum
Analog voltage inputs	2, 0-10 V
Work memory capacity	75 kbyte
Built-in load memory	4 Mbyte
Typical supply current	500 mA
Maximum supply current	1.2 A at 24 V
Peak inrush current	12 A at 28.8 V
Backplane capacity	1.6 A at 5 V maximum

Siemens 6ES7214-1HG31-0XB0 original product data, applicable source pages 1, 2, 3, 4, 5, 6, 7, 8.

02 ADDITIONAL PRODUCT DATA

Typical power loss	12 W
Retentive memory limit	10 kbyte
Digital input filtering	0.2-12.8 ms, grouped selection
Integrated analog representation	10 bit
Module expansion	8 signal modules, 1 signal board, 3 communication modules

03 PRODUCT FUNCTION

The CPU combines 75 kbyte working memory with 4 Mbyte load memory and up to 10 kbyte retentive data. Integrated analog inputs accept 0-10 V with 10-bit representation. Input filtering is selectable from 0.2 to 12.8 ms, and relay contacts support resistive loads up to 2 A.

04 SYSTEM COMPATIBILITY

Size the 24 V supply for the CPU demand and connected expansion, within 20.4-28.8 V. Keep relay contact loads and analog voltage circuits correctly separated.

05 REFERENCE

Siemens 6ES7214-1HG31-0XB0 original product data, applicable source pages 1, 2, 3, 4, 5, 6, 7, 8.

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