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

# Product Data Sheet

## 6ES7214-1AG31-0XB0

DC transistor-output compact controller

| CPU SUPPLY | BUILT-IN DIGITAL INPUTS | TRANSISTOR OUTPUTS | ANALOG VOLTAGE CHANNELS |
|---|---|---|---|
| **24 V DC, 20.4-28.8 V** | **14 at 24 V DC** | **10 at 24 V DC** | **2, 0-10 V** |

Siemens 6ES7214-1AG31-0XB0 is the DC/DC/DC CPU 1214C for SIMATIC S7-1200. It combines fourteen 24 V DC digital inputs, ten transistor outputs and two analog voltage inputs. The CPU runs from a 20.4-28.8 V DC supply.

## 01 TECHNICAL DATA

| | |
|---|---|
| CPU supply | 24 V DC, 20.4-28.8 V |
| Built-in digital inputs | 14 at 24 V DC |
| Transistor outputs | 10 at 24 V DC |
| Analog voltage channels | 2, 0-10 V |
| Program/data work memory | 75 kbyte |
| Built-in load memory | 4 Mbyte |
| Maximum input current | 1.5 A at 24 V |
| Inrush limit | 12 A at 28.8 V |
| Typical dissipation | 12 W |
| Backplane provision | 1.6 A maximum at 5 V |

Siemens 6ES7214-1AG31-0XB0 original product data, applicable source pages 1, 2, 3, 4, 5, 6, 7, 8.

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Retentive data | 10 kbyte maximum |
| Typical bit-processing time | 0.085 microsecond |
| Module expansion limits | 8 signal modules, 1 signal board, 3 communication modules |
| Programming support | STEP 7 V11 SP2 or later |
| Input filter selection | 0.2-12.8 ms, groups of four |

## 03 PRODUCT FUNCTION

Integrated storage comprises 75 kbyte working memory and 4 Mbyte load memory. The analog inputs accept 0-10 V, and digital filtering is selectable from 0.2 to 12.8 ms. The CPU supports up to eight signal modules, one signal board and three communication modules.

## 04 SYSTEM COMPATIBILITY

Provide 20.4-28.8 V DC and coordinate CPU, sensor and output loading. Preserve output polarity and expansion demand rather than treating the outputs as relay contacts.

## 05 REFERENCE

Siemens 6ES7214-1AG31-0XB0 original product data, applicable source pages 1, 2, 3, 4, 5, 6, 7, 8.

**AMIKON PRODUCT SUPPORT**

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