SIMATIC S7-1200 CPU 1214C

Product Data Sheet

6ES7214-1HE30-0XB0

Compact relay-output programmable controller

HARDWARE CONFIGURATION	NOMINAL SUPPLY	ONBOARD DIGITAL INPUTS	ONBOARD RELAY OUTPUTS
DC/DC/relay	**24 V DC, 20.4-28.8 V**	**14 at 24 V DC**	**10, 2 A resistive maximum**

Siemens 6ES7214-1HE30-0XB0 is the DC/DC/relay CPU 1214C compact controller in the SIMATIC S7-1200 family. It integrates fourteen 24 V DC digital inputs, ten relay outputs and two 0-10 V analog inputs. The DC supply range is 20.4-28.8 V.

01 TECHNICAL DATA

Hardware configuration	DC/DC/relay
Nominal supply	24 V DC, 20.4-28.8 V
Onboard digital inputs	14 at 24 V DC
Onboard relay outputs	10, 2 A resistive maximum
Onboard analog inputs	2, 0-10 V DC
Integrated work memory	50 kbyte
Integrated load memory	2 Mbyte
Retentive data allowance	2048 bytes maximum
Typical current demand	500 mA
Maximum current demand	1.2 A at 24 V DC

Siemens 6ES7214-1HE30-0XB0 manufacturer specification, applicable pages 1, 2, 3, 4, 5, 6, 8, 9.

02 ADDITIONAL PRODUCT DATA

Backplane current provision	1.6 A maximum at 5 V
Typical power dissipation	12 W
Expansion limits	3 communication modules, 1 signal board, 8 signal modules
Fastest bit instruction	0.1 microsecond
Engineering support	STEP 7 V10.5 or later, supported hardware catalog

03 PRODUCT FUNCTION

This generation has 50 kbyte working memory and 2 Mbyte integrated load memory. Expansion supports up to eight signal modules, one signal board and three communication modules within the supported configuration. Relay contacts switch up to 2 A resistive load and require external short-circuit protection; the HE30 generation must be retained in hardware and project selection.

04 SYSTEM COMPATIBILITY

Provide the 24 V DC supply and external relay-circuit protection. Assign the two 0-10 V inputs and digital filtering independently from any optional signal-module functions.

05 REFERENCE

Siemens 6ES7214-1HE30-0XB0 manufacturer specification, applicable pages 1, 2, 3, 4, 5, 6, 8, 9.

AMIKON PRODUCT SUPPORT

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