AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7215-1HG40-0XB0

CPU 1215C DC/Relay Controller



SUPPLY	DIGITAL I/O	ANALOG I/O	LOCAL EXPANSION
20.4-28.8 V DC	**14 DI / 10 relay DQ**	**2 voltage AI / 2 current AQ**	**8 SM maximum**

Siemens 6ES7215-1HG40-0XB0 is the CPU 1215C DC/DC/relay compact controller. It combines fourteen 24 V digital inputs, ten relay outputs, two voltage inputs and two current outputs, with local expansion options for signal and communication modules.

01 VERIFIED TECHNICAL INFORMATION

CPU supply range	20.4 to 28.8 V DC
CPU-only input current	500 mA at 24 V DC under the cited maximum-load condition
Digital inputs	14; 24 V DC sink/source
Digital outputs	10 mechanical relay outputs in two isolation groups
Relay load range	5 to 30 V DC or 5 to 250 V AC
Relay output current	2 A maximum; observe common and simultaneous-channel conditions
Relay switching delay	10 ms maximum

Manufacturer evidence: S7-1200 Programmable Controller System Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Analog inputs	2 single-ended 0-10 V inputs; 10-bit resolution
Analog outputs	2 current outputs, 0-20 mA; 10-bit resolution
Analog output load impedance	500 ohm maximum
Signal module expansion	Up to 8 SMs
Communication and board expansion	Up to 3 CMs and one SB, CB or BB
5 V bus current available	1600 mA maximum

03 SOURCE AND CONFIGURATION CHECKS

The relay output version separates switched load circuits from the controller’s DC logic supply. Its onboard analog channels add voltage measurement and current-command functions, while the two relay groups, shared reference potentials and temperature-related channel utilization must be checked against the installed configuration.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens manufacturer reference (scope stated in source)

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