AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7214-1BG31-0XB0

CPU 1214C AC/DC/relay



SUPPLY	OUTPUTS	ANALOG	WORK MEMORY
85-264 V AC	**10 relays**	**2 x 0-10 V**	**75 kbyte**

The Siemens 6ES7214-1BG31-0XB0 is an S7-1200 CPU 1214C with AC power, fourteen twenty-four volt digital inputs, ten relay outputs and two voltage inputs. It combines local signal processing with a PROFINET interface for configured automation communication.

01 VERIFIED TECHNICAL INFORMATION

Supply voltage	85-264 V AC; 47-63 Hz
Digital inputs	14 integrated, 24 V DC
Digital outputs	10 relay outputs
Resistive output load	2 A maximum
Output switching	10 ms maximum delay; 1 Hz maximum frequency
Output short-circuit protection	External protection required
Analog inputs	2 channels, 0-10 V

Manufacturer evidence: Siemens Data sheet 6ES7214-1BG31-0XB0; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Analog conversion	10-bit resolution; 625 microseconds per channel
Work memory	75 kbyte, not expandable
Load memory	4 Mbyte integrated
Retentive area	10 kbyte maximum
Local expansion	3 communication modules, 1 signal board, 8 signal modules
Network	PROFINET IO Controller
Typical power loss	14 W
Bare dimensions	110 x 100 x 75 mm (W x H x D)

03 SOURCE AND CONFIGURATION CHECKS

This earlier-generation controller provides seventy-five kilobytes of work memory and four megabytes of load memory. Local expansion accommodates communication modules, one signal board and signal modules. Relay duty, analog scaling and engineering-version compatibility remain distinct selection checks for an existing installation.

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)

AMIKON PRODUCT SUPPORT

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