AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7214-1AF40-0XB0

CPU 1214FC DC/DC/DC

SUPPLY	STANDARD I/O	ANALOG	CPU TYPE
24 V DC	**14 DI / 10 DQ**	**2 x 0-10 V**	**1214FC**

The Siemens 6ES7214-1AF40-0XB0 is an S7-1200F CPU 1214FC DC/DC/DC controller. It runs safety and standard user programs while providing fourteen digital inputs, ten transistor outputs and two voltage inputs. Its integrated I/O is standard, not fail-safe I/O.

01 VERIFIED TECHNICAL INFORMATION

Controller designation	CPU 1214FC DC/DC/DC
Supply voltage	24 V DC nominal; 20.4-28.8 V DC permissible
Digital inputs	14 standard onboard, 24 V DC
Digital outputs	10 standard onboard sourcing transistor outputs
Output current	0.5 A maximum per point
Output protection	External overload protection required
Analog inputs	2 single-ended standard voltage inputs; 0-10 V

Manufacturer evidence: S7-1200 Functional Safety Manual; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Analog resolution	10 bits
Analog input isolation	Not isolated from logic
Communication port	1 Ethernet port; 10/100 Mbit/s
Expansion capacity	8 signal modules, 3 communication modules, 1 board, subject to power budget
Backplane power	1600 mA maximum at 5 V DC
Sensor power	400 mA maximum at 24 V DC
Power dissipation	12 W
Bare dimensions	110 x 100 x 75 mm (W x H x D)

03 SOURCE AND CONFIGURATION CHECKS

The controller supports expansion with suitable signal and communication modules and uses a twenty-four volt DC supply. Safety functionality depends on the configured fail-safe modules, software, firmware and validated safety program; the CPU order number alone does not establish an installation's achieved safety level.

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 original documentation and product reference

AMIKON PRODUCT SUPPORT

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