MOORE AUTOMATION TECHNICAL DATA SHEET

6ES7211-1AE40-0XB0

Siemens SIMATIC S7-1200 CPU 1211C DC/DC/DC

Exact article	6ES7211-1AE40-0XB0	Product family	SIMATIC S7-1200

ONBOARD I/O	POWER / OUTPUT	WORK MEMORY	LIFECYCLE
6 DI | 4 DO | 2 AI	DC / DC / DC	75 KB	Active Product

Verified technical characteristics

PARAMETER	ARTICLE-SPECIFIC VALUE
Article number	6ES7211-1AE40-0XB0
CPU designation	CPU 1211C DC/DC/DC
Digital inputs	6 x 24 V DC
Digital outputs	4 x 24 V DC transistor
Analog inputs	2 x 0-10 V DC
Supply range	20.4-28.8 V DC
Work memory	75 KB
Firmware shown by Siemens	V4.7
Engineering software	STEP 7 V20 or higher
Typical power loss	8 W
Approximate net weight	0.292 kg
Current Siemens lifecycle	Active Product

IMPORTANT This sheet is tied to the exact Siemens article number. Confirm the supplied hardware version, firmware, electrical ratings and current manufacturer documentation before installation.

APPLICATION AND COMMISSIONING GUIDE

Engineering checks for 6ES7211-1AE40-0XB0

Application-fit matrix

APPLICATION CONTEXT	ENGINEERING FIT
Compact machine control	Integrates CPU, discrete I/O and two voltage analog inputs in a small controller.
Fast transistor switching	Suitable for verified 24 V DC output loads where transistor behavior is required.
Sensor-based skids	The onboard I/O can support compact packages after current and channel requirements are checked.
S7-1200 modernization	A current V4.7-class CPU for projects engineered in STEP 7 V20 or later.

Six-point verification workflow

01 Match article identity

Confirm the complete order number 6ES7211-1AE40-0XB0 on the supplied nameplate.

02 Check electrical design

Verify supply, input, output and interface ratings against the actual panel wiring.

03 Confirm system compatibility

Match the SIMATIC S7-1200 hardware, firmware, accessories and engineering project.

04 Inspect installation conditions

Check terminal assignment, grounding, cable routing, ventilation and environmental limits.

05 Commission with evidence

Record supply measurements, diagnostics, I/O tests, communication status and the validated project backup.

06 Approve replacement

Release the unit only after the application owner confirms functional and safety checks.

Article-specific engineering notes

DC/DC/DC meaning

The CPU supply, digital inputs and transistor digital outputs are based on 24 V DC circuits.

Successor planning

The current Siemens page marks this product Active and also directs users to the S7-1200 G2 successor family for future projects.

SOURCE BASIS	Prepared by Moore Automation from the article-specific records identified as Siemens SiePortal product page, Siemens official technical data. This independent technical sheet is not a Siemens-issued manual and does not replace current manufacturer instructions for installation, wiring, safety or certification.

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