MOORE AUTOMATION TECHNICAL DATA SHEET

6ES7211-1BE40-0XB0

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

Exact article	6ES7211-1BE40-0XB0	Product family	SIMATIC S7-1200

ONBOARD I/O	SUPPLY	WORK MEMORY	LIFECYCLE
6 DI | 4 relay DO | 2 AI	85-264 V AC	75 KB	Active Product

Verified technical characteristics

PARAMETER	ARTICLE-SPECIFIC VALUE
Article number	6ES7211-1BE40-0XB0
CPU designation	CPU 1211C AC/DC/relay
Digital inputs	6 x 24 V DC
Digital outputs	4 x relay, 2 A
Analog inputs	2 x 0-10 V DC
AC supply range	85-264 V AC
Line frequency	47-63 Hz
Work memory	75 KB
Firmware shown by Siemens	V4.7
Engineering software	STEP 7 V20 or higher
Typical power loss	10 W
Approximate net weight	0.384 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 6ES7211-1BE40-0XB0

Application-fit matrix

APPLICATION CONTEXT	ENGINEERING FIT
Mixed-voltage machine panels	AC-powered compact control with isolated relay switching after load ratings are verified.
Contactors and solenoids	Relay outputs can interface with suitable industrial loads while respecting contact limits and suppression requirements.
Small utility systems	Onboard discrete and analog voltage inputs reduce module count in compact applications.
Service replacements	Supports like-for-like CPU 1211C AC/DC/relay replacement when firmware and project compatibility are confirmed.

Six-point verification workflow

01 Match article identity

Confirm the complete order number 6ES7211-1BE40-0XB0 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

Relay switching is not high-speed pulse output

Use the relay contacts within their switching frequency and electrical-life limits; do not treat them as transistor PTO channels.

AC wiring separation

Maintain the required segregation between mains supply, relay load circuits, 24 V input wiring and analog signal conductors.

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.

Technical support: Tiffany Guan | plcsale@mooreplc.com | WhatsApp/WeChat: +86 180 3023 5313