

APTER POWER PRODUCT REFERENCE MANUAL

6ES7215-1HG40-0XB0

SIMATIC S7-1200 CPU 1215C DC/DC/Relay

ENGINEERING LENS	COMPACT PLC EXECUTION AND INTEGRATED MIXED I/O
SYSTEM	SIMATIC S7-1200
SOURCE CONTROL	Manufacturer-published information only

This original Apter Power manual explains compact PLC execution and integrated mixed I/O using only the manufacturer source named inside the document.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Engineering clarity for compact PLC execution and integrated mixed I/O.

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SCAN FOR PRODUCT & QUOTE
6ES7215-1HG40-0XB0

1. Product Identity and System Role

6ES7215-1HG40-0XB0 is a Siemens SIMATIC S7-1200 CPU 1215C compact controller with a 24 V DC supply, DC digital inputs, relay outputs, integrated analog I/O, two PROFINET ports, and 200 kB of program/data work memory. The CPU executes machine or process logic, acquires onboard digital and analog inputs, operates relay and analog outputs, exchanges PROFINET data, and coordinates expansion modules from the TIA Portal project.

Model Configuration

Field	Verified information
Complete model	6ES7215-1HG40-0XB0
Manufacturer	Siemens
Product description	SIMATIC S7-1200 CPU 1215C DC/DC/Relay
System	SIMATIC S7-1200

Product-Specific Design Focus

compact PLC execution and integrated mixed I/O

2. Technical Specifications and Evidence Boundary

Only values supported by the named Siemens source are stated. Where the complete ordering code is absent from public data, the field is explicitly marked for verification.

Parameter	Verified value
Manufacturer	Siemens
CPU	1215C DC/DC/relay
Supply	20.4 to 28.8 V DC
Digital inputs	14 x 24 V DC
Digital outputs	10 relay outputs, 2 A
Analog inputs	2 x 0 to 10 V DC
Analog outputs	2 x 0 to 20 mA DC
PROFINET	2 ports
Work memory	200 kB

Evidence Note

Use the complete 6ES7215-1HG40-0XB0 identity. Siemens SiePortal lists 6ES7215-1HG40-0XB0 as an Active Product. Confirm firmware and engineering-software requirements for the supplied hardware revision. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Matched Components

Core Functions

- The CPU executes machine or process logic, acquires onboard digital and analog inputs, operates relay and analog outputs, exchanges PROFINET data, and coordinates expansion modules from the TIA Portal project.
- Preserves the documented role within SIMATIC S7-1200.
- Supports model-specific engineering review without substituting unverified third-party data.

Application Areas

Application	System role
SIMATIC S7-1200	Maintains the documented compact PLC execution and integrated mixed I/O role in a correctly matched installation.
Process and machine automation	Supports the control, communication, power, safety, measurement, or protection duty stated in the official source for this exact or verified family identity.
Lifecycle-controlled maintenance	Requires complete-code, nameplate, host-system, and project verification before replacement or recommissioning.

Compatible Components

- SIMATIC S7-1200 signal, communication, and signal-board modules approved for CPU 1215C
- SIMATIC Memory Card and TIA Portal / STEP 7 version supporting the installed firmware
- 24 V DC field devices and relay loads within the published channel limits

Lifecycle Status

Siemens SiePortal lists 6ES7215-1HG40-0XB0 as an Active Product. Confirm firmware and engineering-software requirements for the supplied hardware revision.

4. Installation Precautions

- Match every character of 6ES7215-1HG40-0XB0 to the physical nameplate before work.
- Use the exact Siemens manual, wiring drawing, and safety instructions for the installed revision.
- De-energize and apply the required lockout, discharge, ESD, and stored-energy controls before removal.
- Back up firmware, parameters, controller project, calibration, and network settings where applicable.
- Verify supply, signal type, polarity, grounding, shielding, connector pinout, load, and environmental limits.
- Commission with the manufacturer test procedure and record results before returning equipment to service.

DECISION GATE - Verify before installation

Use the complete 6ES7215-1HG40-0XB0 identity. Siemens SiePortal lists 6ES7215-1HG40-0XB0 as an Active Product. Confirm firmware and engineering-software requirements for the supplied hardware revision. Values not published in the cited Siemens source are intentionally not inferred.

Controlling records: physical nameplate, current Siemens document, and host-system drawings.

5. Official Source and Use Notice

Official manufacturer source

Siemens SiePortal product data and official technical data sheet for 6ES7215-1HG40-0XB0.

<https://mall.industry.siemens.com/mall/en/oeii/Catalog/Product?SiepCountryCode=OE&mlfb=6ES7215-1HG40-0XB0>

Apter Power product page

<https://www.apterpower.com/Siemens/6es7215-1hg40-0xb0>

Use Notice

This is an original Apter Power model-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and a model-specific quotation, visit www.apterpower.com or contact sales13@apterpower.com.