SIEMENS PRODUCT REFERENCE

6ES7212-1BE40-0XB0

Siemens SIMATIC S7-1200 CPU 1212C AC/DC/Relay

SIMATIC S7-1200 CPU 1212C with 8 digital inputs, 6 relay outputs, 2 analog inputs, an AC supply and 100 KB work memory.

Configuration at a glance

ONBOARD I/O **8 DI | 6 relay DO | 2 AI**	SUPPLY **85-264 V AC**
WORK MEMORY **100 KB**	LIFECYCLE **Active Product**

Technical data for the exact article

SPECIFICATION	VERIFIED ARTICLE DATA
Article number	6ES7212-1BE40-0XB0
CPU designation	CPU 1212C AC/DC/relay
Digital inputs	8 x 24 V DC
Digital outputs	6 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	100 KB
Firmware shown by Siemens	V4.7
Engineering software	STEP 7 V20 or higher
Typical power loss	11 W
Approximate net weight	0.374 kg
Current Siemens lifecycle	Active Product

Application guidance

Compact machine sequences

Eight onboard inputs and six relay outputs suit verified discrete-control duties.

Packaged process skids

Two voltage analog inputs can handle monitored 0-10 V signals with correct scaling and EMC practice.

AC-fed control cabinets

Integrated AC supply reduces the need for a separate CPU supply while 24 V sensor power planning remains necessary.

Incremental 1211C upgrades

Provides more onboard I/O and work memory than a comparable 1211C configuration, subject to project review.

Engineering verification notes

Do not size only by I/O count

Check scan performance, memory, communications, expansion and technology-function requirements together.

Relay groups require load review

Contact current, load category, common grouping and suppression must be verified for every output circuit.

Questions engineers commonly ask

When is 6ES7212-1BE40-0XB0 chosen instead of a CPU 1211C AC/DC/relay?

It provides 8 digital inputs, 6 relay outputs and 100 KB work memory, compared with the smaller 1211C arrangement. The final choice must also consider expansion and program requirements.

What onboard I/O mix does this CPU 1212C include?

The official description lists 8 digital inputs at 24 V DC, 6 relay outputs rated 2 A and 2 analog inputs for 0-10 V DC.

Can 120 V and 230 V AC installations use the same CPU article?

The listed supply range is 85-264 V AC at 47-63 Hz, covering those nominal systems when the complete panel design and local standards are satisfied.

How much integrated working memory is available?

Siemens lists 100 KB of work memory for this V4.7 CPU 1212C. Load memory and optional memory-card functions are separate specifications.

DOCUMENT STATUS	Prepared by Moore Automation from the Siemens product records identified as Siemens SiePortal product page, Siemens official technical data. This independent reference is not a Siemens-issued manual and does not replace the current manufacturer documentation for installation, wiring, safety or certification.

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Before ordering, match the complete article number, hardware version, firmware, electrical design, wiring and application.