

APTER POWER PRODUCT MANUAL

6ES7288-1CR40-0AA0

SIMATIC S7-200 SMART CPU CR40

The Siemens 6ES7288-1CR40-0AA0 is a SIMATIC S7-200 SMART CPU CR40 that provides forty onboard I/O points in an economical fixed-I/O CPU.

In an S7-200 SMART automation station, it reads 24 V DC binary input states and switches sixteen relay output circuits. It works with the verified CPU or expansion-bus configuration, terminal blocks, field power, sensors, and actuators defined for the exact article number. The module is used in compact conveyors, pumping skids, and fixed-sequence machinery.

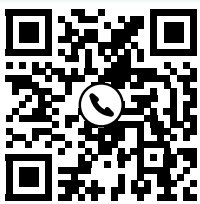
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Forty onboard points. Direct relay control. Verified CR40 identity.

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SCAN FOR PRODUCT & QUOTE
6ES7288-1CR40-0AA0

1. Product Overview and Identity

The Siemens 6ES7288-1CR40-0AA0 is a SIMATIC S7-200 SMART CPU CR40 that provides forty onboard I/O points in an economical fixed-I/O CPU.

In an S7-200 SMART automation station, it reads 24 V DC binary input states and switches sixteen relay output circuits. It works with the verified CPU or expansion-bus configuration, terminal blocks, field power, sensors, and actuators defined for the exact article number. The module is used in compact conveyors, pumping skids, and fixed-sequence machinery.

Model Configuration

Field	Verified information
Complete model	6ES7288-1CR40-0AA0
Manufacturer	Siemens
Product description	SIMATIC S7-200 SMART CPU CR40

Key Features

- Exact Siemens MLFB 6ES7288-1CR40-0AA0
- SIMATIC S7-200 SMART CPU CR40
- 24 DI 24 V DC; 16 relay DQ
- 85 to 264 V AC at 47 to 63 Hz
- 125 x 100 x 81 mm
- 0.44 kg approximate device weight

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product type	SIMATIC S7-200 SMART CPU CR40
Complete article number	6ES7288-1CR40-0AA0
System	SIMATIC S7-200 SMART
Primary function	forty onboard I/O points in an economical fixed-I/O CPU
Power supply	85 to 264 V AC at 47 to 63 Hz
Digital inputs	24; 24 V DC
Digital outputs	16; Relay, 2 A
Program/data memory	20 KB program/data memory
Engineering software	STEP 7 Micro/WIN SMART
Programming languages	LAD, FBD, STL
Operating temperature	0 to 55 deg C horizontal; 0 to 45 deg C vertical
Mounting	Standard DIN rail
Degree of protection	IP20
Device dimensions	125 x 100 x 81 mm (W x H x D)
Approximate device weight	0.44 kg
Country of origin	Germany
Lifecycle	Siemens identifies this CR40 0AA0 CPU in official S7-200 SMART ordering guidance and notes that firmware version 2.3 or later is not supported; confirm regional ordering availability.

Verification Note

Use the complete 6ES7288-1CR40-0AA0 identifier. Siemens identifies this CR40 0AA0 CPU in official S7-200 SMART ordering guidance and notes that firmware version 2.3 or later is not supported; confirm regional ordering availability. Values not published in the cited Siemens sources are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- Reads 24 V DC binary input states and switches sixteen relay output circuits.
- Maintains the documented CPU CR40 function for the complete 6ES7288-1CR40-0AA0 article number.
- Provides a model-specific basis for wiring, configuration, commissioning, diagnostics, and replacement verification.

Application Areas

Application	System role
Standalone sequence control	Executes machine logic while processing 24 input states and 16 relay commands
Relay load coordination	Controls approved contactors, solenoids, lamps, and interposing relays within published limits
Fixed-I/O equipment	Provides 40 onboard points where the machine design does not require separate I/O expansion
Industrial machine panels	Applies to compact conveyors, pumping skids, and fixed-sequence machinery when the exact MLFB, firmware, and project are matched

Compatible Components

- STEP 7 Micro/WIN SMART project configured for CPU CR40 and exact MLFB 6ES7288-1CR40-0AA0
- 24 V DC sensors connected to the documented onboard input groups
- Approved AC or DC loads within the Relay, 2 A relay-contact limits
- Firmware, communication devices, signal boards, and accessories verified in the current Siemens system manual

Lifecycle Status

Siemens identifies this CR40 0AA0 CPU in official S7-200 SMART ordering guidance and notes that firmware version 2.3 or later is not supported; confirm regional ordering availability.

4. Installation Precautions

- Identity: Match every character of 6ES7288-1CR40-0AA0 and the CPU CR40 marking to the physical nameplate and project
- Power: Verify 85 to 264 V AC at 47 to 63 Hz; isolate all energy sources before wiring, insertion, or removal
- Signals: Observe every input/output voltage, current, common, group, polarity, isolation, and protective-device limit
- Panel: Use documented DIN-rail mounting, clearances, protective earth, cable segregation, ventilation, and IP20 enclosure protection
- Commissioning: Match firmware and STEP 7 Micro/WIN SMART project, back up the program and retentive data, then complete the machine-builder test procedure

STOP - Verify before installation

Use the complete 6ES7288-1CR40-0AA0 identifier. Siemens identifies this CR40 0AA0 CPU in official S7-200 SMART ordering guidance and notes that firmware version 2.3 or later is not supported; confirm regional ordering availability. Values not published in the cited Siemens sources are intentionally not inferred.

Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens official technical data sheet for 6ES7288-1CR40-0AA0: <https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7288-1CR40-0AA0>; Siemens official S7-200 SMART ordering information: https://www.ad.siemens.com.cn/download/documentdetail_17711.html; Siemens S7-200 SMART System Manual:

https://support.industry.siemens.com/cs/attachments/109745610/s7-200_SMART_system_manual_en-US.pdf

Apter Power product page

<https://www.apterpower.com/Siemens/6es7288-1cr40-0aa0>

Use Notice

This is an original Apter Power product-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 quotation details, visit www.apterpower.com or contact sales13@apterpower.com.