

APTER POWER INSTALLATION & VERIFICATION REFERENCE

6ES7288-2QR16-0AA0

A separate model-specific field checklist

Use this reference to verify the exact Siemens component before installation, substitution, or recommissioning. It intentionally does not repeat unconfirmed values.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Sixteen isolated relay paths. More loads. Less panel width.

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SCAN FOR PRODUCT & QUOTE
6ES7288-2QR16-0AA0

1. Pre-Installation Verification

Step	Check	Required evidence
1	Identity	Match every character of 6ES7288-2QR16-0AA0 to the physical label; record revision and serial data.
2	Host system	Confirm rack, slot, CPU/drive/controller, firmware, project, and machine-builder approval.
3	Electrical	Verify supply, signal type, channel limits, grounding, shielding, and connector pinout from the exact Siemens document.
4	Mechanical	Confirm form factor, keying, mounting, clearances, cable routing, and environmental limits.
5	Lifecycle	The exact article number is documented in Siemens official S7-200 SMART ordering information and technical documentation; confirm current regional availability at quotation.
6	Commissioning	Apply the original test procedure and record results before returning the equipment to service.

Product-Specific Precautions

- Identity: Match every character of 6ES7288-2QR16-0AA0 and the SM QR16 marking to the physical nameplate and project
- Power: Verify 24 V DC nominal; 20.4 to 28.8 V DC permissible; 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: Back up the project, verify addresses and terminals, test one circuit group at a time, and record the results

2. Commissioning Record

Record item	Site entry
Physical model / MLFB	
Serial or revision	
Host system / machine	
Rack / slot / location	
Firmware / project backup	
Connector and wiring verified	
Functional test result	
Technician / date	

Source Basis

Siemens official technical data sheet for 6ES7288-2QR16-0AA0: <https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7288-2QR16-0AA0>; Siemens official S7-200 SMART ordering information: https://www.ad.siemens.com.cn/download/documentdetail_17711.html; Siemens official system manual with model-specific I/O tables: https://support.industry.siemens.com/cs/attachments/109963390/SIMATIC_ET_200_S_MART_IM60_System_Manual_en-US.pdf

Important Notice

This Apter Power checklist is not a Siemens installation instruction. The current Siemens documentation, the physical nameplate, the host-equipment manual, and applicable safety rules control all work.

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