

APTER POWER PRODUCT MANUAL

6ES7400-2JA10-0AA1

SIMATIC PCS 7-400 UR2-H XTR Rack

The Siemens 6ES7400-2JA10-0AA1 is a SIMATIC PCS 7-400 UR2-H XTR rack with two nine-slot sections, extended temperature capability, conformal coating, and positions for two pairs of redundant power supplies.

It provides the mechanically divided and environmentally enhanced backplane platform used to mount paired PCS 7 or S7-400 components in high-availability control stations exposed to the published extended operating conditions.

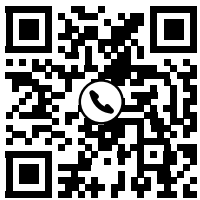
Manufacturer	Siemens
Prepared by	Apter Power
Document ID	AP-SIE-04-6ES7400-2JA10-0AA1-PM-R1
Revision	R1
Issue date	2026-08-17

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

A coated, divided backbone for demanding process environments.

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



SCAN FOR PRODUCT & QUOTE
6ES7400-2JA10-0AA1

1. Product Overview and Identity

The Siemens 6ES7400-2JA10-0AA1 is a SIMATIC PCS 7-400 UR2-H XTR rack with two nine-slot sections, extended temperature capability, conformal coating, and positions for two pairs of redundant power supplies.

It provides the mechanically divided and environmentally enhanced backplane platform used to mount paired PCS 7 or S7-400 components in high-availability control stations exposed to the published extended operating conditions.

Model Configuration

Field	Verified information
Complete model	6ES7400-2JA10-0AA1
Manufacturer	Siemens
Product description	SIMATIC PCS 7-400 UR2-H XTR Rack

Key Features

- Exact Siemens MLFB 6ES7400-2JA10-0AA1
- SIMATIC PCS 7-400 UR2-H XTR Rack
- 2
- SIMATIC PCS 7 and S7-400 extended-environment station
- Model-specific lifecycle and installation guidance

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	UR2-H XTR rack
System	SIMATIC PCS 7-400 / S7-400
Rack sections	2
Slots per section	9
Power-supply positions	2 × 2 redundant power supplies can be plugged in
Environmental design	Extended temperature range and conformal coating
Siemens net weight	3.000 kg
Siemens packaging dimensions	30.40 × 58.50 × 4.70 cm
Country of origin	Germany
Lifecycle	PM300 active product

Verification Note

Use the complete 6ES7400-2JA10-0AA1 identifier. Siemens lists 6ES7400-2JA10-0AA1 as a PM300 active product. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- It provides the mechanically divided and environmentally enhanced backplane platform used to mount paired PCS 7 or S7-400 components in high-availability control stations exposed to the published extended operating conditions.
- Maintains the documented SIMATIC PCS 7 and S7-400 extended-environment station role for this complete Siemens article number.
- Provides a verified reference for configuration, commissioning, diagnostics, and lifecycle planning.

Application Areas

Application	System role
PCS 7 high-availability stations	Supports paired automation hardware in process-control systems
Extended-environment cabinets	Adds conformal coating and published extended temperature capability
Critical process units	Provides two separated rack sections for redundant automation
Outdoor or harsh plant areas	Used only where the complete cabinet meets Siemens environmental limits

Compatible Components

- PCS 7 and S7-400 modules approved for the XTR station configuration
- Up to two redundant power-supply pairs assigned by the project
- High-availability CPUs and synchronization components defined in the system design
- Cabinet hardware that preserves the required environmental and EMC conditions

Lifecycle Status

Siemens lists 6ES7400-2JA10-0AA1 as a PM300 active product.

4. Installation Precautions

- XTR matching: Use only modules and accessories approved for the required environmental design
- Coating integrity: Avoid scratching or contaminating coated surfaces and backplane contacts
- Thermal design: Validate cabinet temperature, airflow, spacing, and heat dissipation for all modules
- Redundant power: Wire and test each power-supply path independently before system release
- PCS 7 validation: Confirm the exact hardware catalog, system version, and redundancy configuration

STOP - Verify before installation

Use the complete 6ES7400-2JA10-0AA1 identifier. Siemens lists 6ES7400-2JA10-0AA1 as a PM300 active product. Values not published in the cited Siemens source 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 Industry Mall product detail for complete article number 6ES7400-2JA10-0AA1: <https://mall.industry.siemens.com/mall/en/ietkeown/Catalog/Product?SiepCountryCode=OE&mlfb=6ES7400-2JA10-0AA1>

Apter Power product page

<https://www.apterpower.com/Siemens/6es7400-2ja10-0aa1>

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.