6ES7403-1TA01-0AA0

01 / Product identity and technical data

ER1 Extension Rack

Siemens 6ES7403-1TA01-0AA0 is a er1 extension rack for SIMATIC S7-400. The rack provides eighteen positions for signal modules and can accommodate two power-supply modules in a redundant supply arrangement.

Key characteristics

Product type	ER1 Extension Rack
Product series	SIMATIC S7-400
Rack type	ER1 extension rack

Verified technical characteristics

Rack type	ER1 extension rack
Signal-module positions	18
Power-supply arrangement	Two redundant power supplies can be plugged
Backplane P bus	Yes
Backplane communication bus	No
Operating temperature	0 to 60 °C

Configuration boundary

The ER1 backplane provides a P bus without a communication bus. Module placement and the expansion connection depend on the installed S7-400 configuration.

Related portfolio

Siemens 6ES7193-6AF00-0AA0

Siemens 6ES7954-8LC02-0AA0

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Applications and installation checks

S7-400 I/O expansion

Extends a configured SIMATIC S7-400 system with up to eighteen signal-module positions.

ER1 backplane

Serves expansion positions that require the ER1 P-bus arrangement without a backplane communication bus.

Match the identification

Match 6ES7403-1TA01-0AA0 and the ER1 rack type.

Review the host system

Confirm the fitted S7-400 signal modules, interface and redundant power-supply configuration.

Preserve the installation record

Photograph and record every occupied slot and expansion connection before removal.

Redundant supply option

Supports installation of two power-supply modules when the project uses the rack's redundant supply arrangement.

Module compatibility

The fitted signal modules, interface connection and expansion topology must be supported by the ER1 system design.

Confirm the service procedure

Check power indications, diagnostics and affected I/O after the rack is restored.

Protect the hardware

Use applicable isolation and electrostatic-discharge controls; protect the board, connectors and mechanical retainers during handling.

Verify the restored system

Complete the approved site acceptance checks, including diagnostics and affected functions, before returning equipment to service.

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03 / Technical questions and service context

How many signal-module positions does 6ES7403-1TA01-0AA0 provide?

The ER1 rack provides eighteen positions for signal modules.

Can 6ES7403-1TA01-0AA0 take redundant power supplies?

Yes. Two power-supply modules can be plugged for a redundant arrangement.

Does the backplane of 6ES7403-1TA01-0AA0 provide a communication bus?

No. The ER1 rack provides a P bus but no communication bus.

What operating temperature applies to 6ES7403-1TA01-0AA0?

The Siemens rack data gives an ambient operating range of 0 to 60 °C.

Lifecycle

Siemens classifies this order code in Product Cancellation. Confirm current service and replacement options against the installed S7-400 system.

Can an S7-400 rack with a different bus replace 6ES7403-1TA01-0AA0?

Match the ER1 rack identity, bus arrangement, module positions and expansion topology before replacement.

What slot records should be kept for 6ES7403-1TA01-0AA0?

Record every occupied signal-module position, power-supply placement and expansion connection.

Are power supplies included with 6ES7403-1TA01-0AA0?

The rack can accommodate two supplies; confirm whether any supplies, modules or accessories are included in the quotation.

How are photos, quantity and warranty for 6ES7403-1TA01-0AA0 confirmed?

Request current rack photos and have the available quantity, dispatch estimate, documents and warranty scope specified in the quotation.

Technical basis

Siemens 6ES7403-1TA01-0AA0 product data sheet, SIMATIC S7-400 ER1 extension rack.

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