6ES7403-1TA01-0AA0

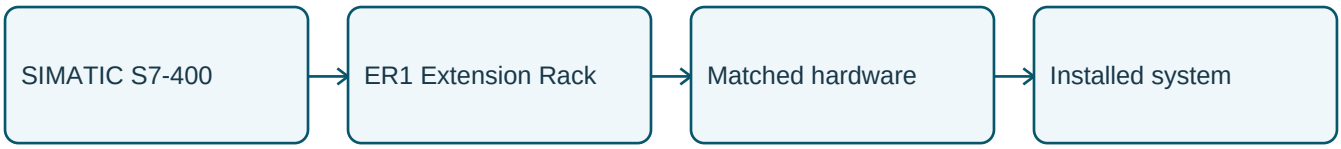
01 / Product identity and characteristics

ER1 Extension Rack

Siemens 6ES7403-1TA01-0AA0 is an 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. It forms part of an S7-400 installation rather than operating as an independent controller; the installed CPU, interface modules, power supplies and signal modules determine the finished system.

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

System relationship



Verified technical data

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

Applicability

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

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

6ES7403-1TA01-0AA0

02 / Function and integration

Functional role

The ER1 backplane provides a P bus and does not provide the communication bus. This distinction matters when selecting extension-rack locations and deciding which modules can be installed. The manufacturer data gives an ambient operating range of 0 to 60 °C for the rack. Examine the fitted modules and the expansion-cable topology before assuming that another rack type or position is interchangeable.

Configuration and service context

For a rack replacement, record the existing slot assignment, power-supply arrangement and expansion connections. Verify the mechanical mounting, backplane contacts and module latches, then reinstall modules in their approved positions. After energization, check supply indication, rack communication through the intended interface and diagnostics for every affected signal module under the project acceptance procedure.

Integration checks

Rack identity	Match 6ES7403-1TA01-0AA0 and the ER1 rack type.
Module arrangement	Confirm the fitted S7-400 signal modules, interface and redundant power-supply configuration.
Slot record	Photograph and record every occupied slot and expansion connection before removal.
System acceptance	Check power indications, diagnostics and affected I/O after the rack is restored.

Technical basis

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

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6ES7403-1TA01-0AA0

03 / Questions and service reference

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.

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.

Related portfolio

Siemens 6ES7193-6AF00-0AA0

Siemens 6ES7954-8LC02-0AA0

Navigation only. These listings are not confirmed replacements or included items.

Product and installation enquiries

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Apply manufacturer instructions and approved site procedures.