Siemens 6ES7360-3AA01-0AA0

01 Locate the central-rack interface

Locate the IM360 in the central rack and draw the chain to the expansion racks in order. Record rack numbers, slot assignments and the configured I/O addresses used by the application. Identify each IM361 supply separately from the central backplane before disconnecting the inter-rack cable.

A cabinet position is not a rack number; resolve any discrepancy between the drawing and controller configuration before work.

Acceptance observation	The physical rack chain matches the retained hardware configuration.
Evidence to retain	Connection map and approved baseline
Release boundary	Use the applicable SIMATIC S7-300 instructions and the approved application acceptance criteria.

02 Check expansion-chain supply boundaries

Check the central backplane power budget and the independent supply boundaries of the expansion interfaces. Place all affected I/O in the approved maintenance state before breaking the chain. Account for downstream racks as well as the rack adjacent to the work location.

Local central-rack power does not keep downstream communication valid when an intermediate connection is removed.

Acceptance observation	Every affected rack and its process consequences are included in the maintenance plan.
Evidence to retain	Isolation and supply assessment
Release boundary	Use the applicable SIMATIC S7-300 instructions and the approved application acceptance criteria.

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03 Restore the 368 cable route

Restore the specified 368 cable and inspect engagement at both ends. Check the distance to the next interface against the permitted inter-interface limit and support the routing without loading the connector. Restore the expansion interfaces and their assigned supplies in accordance with the installation plan.

If the SF indication remains, inspect the connection and downstream interface power before replacing a central module.

Acceptance observation	The central interface reaches the intended next rack through the correct cable.
Evidence to retain	Restored interface and configuration
Release boundary	Use the applicable SIMATIC S7-300 instructions and the approved application acceptance criteria.

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04 Verify rack diagnostics and I/O addressing

Compare diagnostics along the chain and identify the first affected rack if data is missing. Verify several modules in that rack before treating an individual field sensor as the cause. Exercise selected points in each restored expansion rack and confirm their controller addresses.

A cleared group-error lamp with a misassigned I/O point still requires configuration correction.

Acceptance observation	Rack recognition and application-level point mapping agree throughout the chain.
Evidence to retain	Measured response and diagnostic state
Release boundary	Use the applicable SIMATIC S7-300 instructions and the approved application acceptance criteria.

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05 Return every affected rack to service

Return process authority rack by rack under the approved release procedure. Verify the intended output states and remove only the recorded maintenance overrides. Retain the final cable route, rack map and test results so any later intermittent fault can be localized relative to the same topology.

An untested downstream rack must not be assumed healthy because the first expansion rack has recovered.

Technical basis: Siemens S7-300 Module Data, A5E00105505-AK.

Related product navigation

- Siemens 6ES7532-5HF00-0AB0
- Siemens 6ES7331-7PF01-0AB0
- Siemens 6ES7522-1BL01-0AB0

Related products for separate application assessment; verify the platform and interface. No interchangeability is implied.