Siemens 6ES7193-4CA40-0AA0

01 Plan the controlled replacement

Work boundary

Siemens 6ES7193-4CA40-0AA0 forms the field-wiring carrier beneath a compatible ET 200S electronic module, keeping its twelve screw connections and AUX1 path available at the station. A correct upper module does not prove correct field termination. Validate the terminal position, AUX1 path and resulting channel response independently.

Preparation sequence

01	Confirm the installed marking is 6ES7193-4CA40-0AA0.
02	Record the normal indication, diagnostic state and connected path.
03	Back up the applicable project, program, wiring record or terminal map.
04	Identify every supply, reference, communication and field connection.
05	Place affected machine functions in the approved maintenance state.
06	Define the functional and fault-response tests before removal.

Technical data to retain

Item	Installed requirement
Terminal-module type	TM-E15S26-A1
Station family	SIMATIC ET 200S
Supported upper module	ET 200S electronic module
Terminal technology	Screw terminals
Terminal arrangement	2 × 6 connections
AUX1 access	Available
AUX1 continuity	Continuous through the terminal row
Wiring role	Field connection carrier for the electronic module

Do not copy a nearby configuration

A visually similar product can use different capacity, channel organization, terminal access or communication settings. Use the exact model and recorded machine position.

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02 Disconnect, inspect and install

Pre-installation controls

Step	Control
1	Confirm the TM-E15S26-A1 identity before moving any conductor.
2	Label all twelve field connections in their installed positions.
3	Isolate the main and AUX1 potentials before releasing the screw terminals.
4	Inspect screw clamps and conductor ends for damage or contamination.
5	Verify the compatible electronic module and mechanical keying.
6	Preserve the established AUX1 continuity through the station.

Connection records

Identity
Photograph and label each connection before removal.

Electrical path
Record polarity, reference and protective-device arrangement.

Configuration
Retain the approved software, card, module or terminal assignment.

Mechanical fit
Inspect seating, keying and connector condition without forcing parts.

Inspection before energization

Correct bent contacts, damaged conductors, loose terminals, contamination or incorrect keying before interpreting any response as a product fault.

Applicable interface values

Interface	Value	Check
Terminal-module type	TM-E15S26-A1	Confirm the installed terminal-module type agrees with this exact configuration.
Station family	SIMATIC ET 200S	Confirm the installed station family agrees with this exact configuration.

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03 Configure and verify operation

Functional test sequence

01	Energize only under the approved controlled condition.
02	Confirm the initial status before issuing commands or applying a signal.
03	Test one channel, object, terminal group or network path at a time.
04	Compare the internal indication with the actual field response.
05	Check the intended diagnostic or alarm behavior.
06	Repeat for every affected function before clearing maintenance controls.

Acceptance observations

Test	Action	Expected result
Identity	Confirm Siemens 6ES7193-4CA40-0AA0.	Complete marking matches the selected record.
Power or passive path	Verify the applicable supply or isolated wiring condition.	No polarity, potential or isolation fault is present.
Configuration	Restore the approved project, module pairing or terminal assignment.	Hardware and stored settings agree.
Functional response	Apply a controlled input, command or communication change.	The intended indication and output path respond.
Fault response	Introduce only the approved diagnostic or interruption test.	The configured status and safe response are visible.
Release	Remove test states and compare the final condition with the baseline.	Normal operation is stable and recorded.

Separate the stages

A correct display or status LED does not prove the downstream field path. Likewise, a physical output does not prove that diagnostics, alarms or retained configuration are correct.

Configuration record

A correct upper module does not prove correct field termination. Validate the terminal position, AUX1 path and resulting channel response independently.

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04 Troubleshoot by technical symptom

Symptom-led checks

Observed condition	Investigation
No expected response	Trace the source, connection and configured destination before replacing hardware.
Wrong value or state	Compare the exact technical selection, channel identity and retained project data.
Intermittent behavior	Inspect seating, terminal security, signal reference and environmental condition.

Questions 1–4

Which ET 200S component mounts on Siemens 6ES7193-4CA40-0AA0?
It is the TM-E15S26-A1 terminal carrier for a compatible ET 200S electronic module.

How many screw connections are arranged on Siemens 6ES7193-4CA40-0AA0?
The terminal layout is two groups of six screw connections, giving twelve field-terminal positions.

What does AUX1 access provide on Siemens 6ES7193-4CA40-0AA0?
It exposes the station's auxiliary potential at the terminal module for the approved wiring arrangement.

Is the AUX1 path interrupted by Siemens 6ES7193-4CA40-0AA0?
No. The specified AUX1 path is continuous through the assembled terminal row.

Avoid unsupported adjustment

If the result is inconsistent, check identity, interface selection, channel mapping and retained configuration before changing setpoints or editing the project.

Remaining precautions

Check	Requirement
5	Verify the compatible electronic module and mechanical keying.
6	Preserve the established AUX1 continuity through the station.
7	Torque and dress conductors according to the controlled cabinet procedure.
8	Test every affected I/O channel after the upper module is reseated.

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05 Return to service and handover

Questions 5–8

Why must conductor positions be recorded before replacing Siemens 6ES7193-4CA40-0AA0?
The module carries twelve field connections; a conductor moved to a different terminal can change the associated channel or auxiliary-potential path.

Can Siemens 6ES7193-4CA40-0AA0 be substituted with a power-module terminal base?
No automatic substitution is valid. This model is intended for electronic modules and has its own 2 × 6 terminal and AUX1 arrangement.

What mechanical check applies to Siemens 6ES7193-4CA40-0AA0?
Confirm the TM-E15S26-A1 keying, rail engagement and upper electronic-module seating without forcing either component.

How is Siemens 6ES7193-4CA40-0AA0 verified after rewiring?
Check every terminal against the recorded channel, prove AUX1 continuity and test the fitted electronic module's I/O response one channel at a time.

Release evidence

Test	Action	Expected result
Fault response	Introduce only the approved diagnostic or interruption test.	The configured status and safe response are visible.
Release	Remove test states and compare the final condition with the baseline.	Normal operation is stable and recorded.

Related Siemens products

Siemens 6ES7-153-2BA82-0XB0

Siemens 6ES5948-3UA11

Siemens 6ES5947-3UR21

Siemens 6ES5947-3UA22

Handover record

Record the complete model, configuration source, connection map, observed normal state, diagnostic result and the person or procedure that authorized return to service.