

Siemens 6ES7336-4GE00-0AB0

Fail-Safe Analog Input

Siemens 6ES7336-4GE00-0AB0 is a six-channel SM 336 fail-safe analog input module with HART support for SIMATIC S7 safety applications.

Job objective

Replace, install or verify the exact unit while preserving unrelated wiring, configuration, dimensions, weight and stored product data.

Safe-work boundary

Identify Match the complete model and every suffix to the physical unit.	Isolate Apply the plant-approved electrical, process and stored-energy isolation.
Preserve Back up configuration and photograph all connections and settings.	Control Use ESD protection and revision-controlled documentation.

Product-specific hazards and controls

1 Confirm the complete Siemens 6ES7336-4GE00-0AB0 article number and installed hardware revision before replacement.	2 Preserve the safety program, hardware configuration, channel parameters, and F-monitoring settings before removal.
3 Isolate the 24 V DC load supply and verify the field-current circuits before disconnecting the 20-pole connector.	4 Keep every channel within the documented current range and below the 40 mA destruction limit.

Required evidence before work

Nameplate photo, installed-position record, connection map, configuration or jumper record, fault history and approved acceptance plan.

Readiness and interface checklist

Exact identity	6ES7336-4GE00-0AB0 matches the work order and physical unit
Installed position	Rack, slot, panel and functional assignment recorded
Configuration	Project data, jumpers, settings or calibration state captured
Connections	Every cable, terminal, shield and polarity labeled
Condition	Board, housing, connectors and packaging inspected
Test plan	Expected states, safe response and acceptance evidence agreed

Interface preparation

Field signals	Six analog current channels for compatible 2-wire or 4-wire transmitters
Field connector	One 20-pole front connection for channel wiring and supply
Backplane	SIMATIC S7 module bus for process data, diagnostics, and parameterization
Communication	HART access for supported field transmitters

Pre-job evidence review

H1 Six fail-safe analog input channels	H2 15-bit plus sign resolution
H3 HART communication support	H4 Up to SIL 3 / PL e / Category 4 capability

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare removed and replacement identities and revisions
3	Photograph, label and verify all connections and settings
4	Remove the existing assembly using ESD-safe handling
5	Inspect mounting, connectors, grounding, ventilation and surrounding hardware
6	Install the exact replacement without forcing connections
7	Restore cables, jumpers and settings from the controlled record
8	Complete final visual, continuity and polarity checks before energization

STOP CONDITIONS

Identity Stop if the complete model or revision does not match.	Connection Stop if connector orientation, polarity or terminal mapping is unresolved.
Configuration Stop if the as-found jumper, project or adjustment record is missing.	System Stop if grounding, cooling or the safe-state assignment is uncertain.

Staged return to service

Stage 1	Visual inspection, isolation release and controlled power-ready state
Stage 2	Apply power under observation and stop on abnormal indicators, heat or sound
Stage 3	Confirm module recognition, status indications and surrounding-system health
Stage 4	Verify every affected connection, signal or relay path
Stage 5	Exercise the documented function and configured safe response
Stage 6	Archive measurements, settings, results and as-left configuration

Product-specific acceptance focus

5 Verify whether each channel uses a 2-wire or 4-wire transmitter and restore the correct supply and return path.	6 Maintain the approved HART configuration, device addressing, and asset records for connected transmitters.
7 Do not claim SIL 3, PL e, or Category 4 from the module alone; the complete documented safety architecture must satisfy the target.	8 Perform channel-value, diagnostic, discrepancy, safety-response, and proof-test checks before return to service.

Acceptance evidence

Identity Photo and record show the exact installed model.	Connections Terminal, cable and connector checks are complete.
Function The affected command, indication or supply path has been exercised.	Safe state Loss-of-power or loss-of-command behavior matches the approved design.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power boundary, position and connections
3	Compare configuration and revision-controlled records
4	Test the surrounding system before condemning the unit
5	Restore a safe state and document the verified outcome

Apter Power handover record

Model identity	Keep the complete Siemens 6ES7336-4GE00-0AB0 identity in purchasing, installation, and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position, and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references

Related Apter Power references	Scope note
Siemens 6ES7315-1AF03-0AB0	Portfolio reference only; verify compatibility independently.
Siemens 6ES7307-1KA00-0AA0	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record Siemens 6ES7336-4GE00-0AB0 Fail-Safe Analog Input Verify the complete nameplate before installation.
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