Siemens 6ES5465-4UA12

Analog Input Module / Identity and product role

Siemens 6ES5465-4UA12 is a SIMATIC S5 465 non-floating analog input module in compact U format with 16 inputs and a required measuring-range module.

Product designation	SIMATIC S5 465 analog input module
Order number	6ES5465-4UA12
Input count	16
Electrical arrangement	Non-floating inputs
Mechanical version	Compact version U
Range selection	Measuring-range module required
Lifecycle	End of product lifecycle

MODEL-SPECIFIC POINT

16 analog inputs

MODEL-SPECIFIC POINT

Non-floating input arrangement

MODEL-SPECIFIC POINT

Compact U mechanical version

MODEL-SPECIFIC POINT

Measuring-range module required

Important Notice: Verify the fitted measuring-range module and every configured signal range before replacing or energizing 6ES5465-4UA12.

IDENTITY CONTROL

Match the complete order number and manufacturer record before any service or selection decision.

PARAMETER CONTROL

Compare every published channel, signal, electrical and mechanical characteristic for this exact suffix.

CONFIGURATION CONTROL

Retain the rack position, address, wiring record and installed-system project evidence.

RELEASE CONTROL

Return the equipment to service only after diagnostics and the intended field function are witnessed.

Siemens 6ES5465-4UA12

Analog Input Module / System integration and applications

The module converts sixteen installed analog channels for the SIMATIC S5 project. Each sensor range, measuring-range module, channel wiring and reference potential is matched before commissioning.

Analog process measurement

Collects sixteen configured sensor or transmitter channels.

Legacy instrumentation renewal

Restores the exact S5 analog-input position during maintenance.

Range-module matching

Uses the installed measuring-range module for the documented signal range.

Process trend acquisition

Feeds approved analog values into the controller program and diagnostics.

Additional manufacturer data

Electrical arrangement	Non-floating inputs
Mechanical version	Compact version U
Range selection	Measuring-range module required
Lifecycle	End of product lifecycle

VERIFIED RELATED SIEMENS PRODUCTS

Catalog references only; no compatibility, replacement or substitution is implied.

01 Siemens 6RY1803-0CM20

02 Siemens 6RY1803-0DB02

ENGINEERING BOUNDARY

Applications describe the installed-system role; they do not prove interchangeability with another suffix.

SELECTION EVIDENCE

Use the exact Siemens record together with the installed drawing, project backup and field wiring schedule.

Siemens 6ES5465-4UA12

Analog Input Module / Installation and commissioning workflow

01 / CONTROLLED STEP

Confirm the complete Siemens 6ES5465-4UA12 marking and installed-system record before work.

02 / CONTROLLED STEP

Place the connected process or machine in its approved maintenance state.

03 / CONTROLLED STEP

Isolate and verify every applicable power, signal and field circuit before disconnection.

04 / CONTROLLED STEP

Record the slot, terminal, address, cable, connector and companion-hardware identities that apply.

05 / CONTROLLED STEP

Use grounded ESD controls and protect keyed interfaces, terminals and circuit boards from damage.

06 / CONTROLLED STEP

Retain the documented voltage, signal type, isolation, grounding and cable-routing arrangement.

Release gate

Restore power in the approved sequence and review all relevant diagnostics. Prove the intended field, interface or operator response and retain the acceptance record.

Configuration data to retain

Exact identity	6ES5465-4UA12
Installed function	Analog Input Module
System position	Record rack, slot and project address before removal
Field interface	Record terminal, conductor, signal mode and reference arrangement
Acceptance evidence	Retain diagnostics and the witnessed functional result

PRE-ENERGIZATION CHECK

Confirm identity, seating, wiring, signal references and every applicable protective device.

FUNCTIONAL ACCEPTANCE

Review diagnostics, prove the intended response and record the witnessed result before release.

VERIFIED SIEMENS CATALOG REFERENCES

Catalog references only; no compatibility, replacement or substitution is implied.

01 Siemens 6SL3120-2TE21-8AD0

02 Siemens 6SL3200-0SP06-0AA0

Siemens 6ES5465-4UA12

Analog Input Module / Model-specific decisions

What identifies Siemens 6ES5465-4UA12?

6ES5465-4UA12 is the exact Siemens analog input module described in the manufacturer product record.

What must be recorded before removing Siemens 6ES5465-4UA12?

Record the complete order number, installed position, wiring or interface assignments and the controlled project reference before removal.

How should Siemens 6ES5465-4UA12 be installed?

Use the documented SIMATIC position, approved cabinet practices and the installation record for the exact unit; isolate all applicable energy before work.

Can Siemens 6ES5465-4UA12 be replaced by a similar model automatically?

No. Verify the full order number and every published electrical, mechanical and project-dependent characteristic before any substitution.

Which function is documented for Siemens 6ES5465-4UA12?

It is a SIMATIC S5 465 non-floating analog input module in compact U format with 16 inputs and a required measuring-range module.

Why is the complete 6ES5465-4UA12 suffix important?

Nearby family members can differ in channel arrangement, signal level, mechanics or system role; compare the full order number rather than the family prefix.

Which commissioning check applies to Siemens 6ES5465-4UA12?

Restore the recorded configuration, then prove the intended signal, interface or operator function under controlled conditions before release.

What service evidence should be retained for Siemens 6ES5465-4UA12?

Keep the installed-system record, wiring or configuration backup, inspection results and final functional acceptance with the maintenance history.

ADDITIONAL VERIFIED SIEMENS PRODUCTS

Catalog references only; no compatibility, replacement or substitution is implied.

01 Siemens 6ED1052-1HB08-0BA1

02 Siemens 6AV2124-0QC02-0AX1

Acceptance record

The final record identifies the exact model, installed position, restored wiring or project data, diagnostic state and witnessed functional result.

Identity decision	Full Siemens order number matches the installed record
Configuration decision	Rack, address, signal mode and project data are restored
Diagnostic decision	Relevant module and system diagnostics are reviewed
Release decision	The intended field or operator response is witnessed

Siemens 6ES5465-4UA12

Analog Input Module / Evidence and support

EVIDENCE BOUNDARY

The exact Siemens record supports the product identity and stated characteristics; nearby suffixes are not used as substitutes.

DOCUMENT USE

Use this document with the installed-system drawing, project backup and controlled maintenance procedure for the actual installation.

Exact identity matrix

Manufacturer	Siemens
Exact order number	6ES5465-4UA12
Product type	Analog Input Module
Product line	Siemens Simatic S5
Automation category	PLC Systems
Evidence basis	Exact Siemens product record

MORE VERIFIED SIEMENS PRODUCTS

Catalog references only; no compatibility, replacement or substitution is implied.

01 Siemens 6SE7031-7HG84-1JC2

02 Siemens 6SE7035-1EJ84-1JC2

MANUFACTURER SOURCE

Siemens SiePortal product record for 6ES5465-4UA12

Source identity retained for technical traceability; no external link is embedded.

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