Siemens 6ES5470-4UA12

Analog Output Module / Identity and product role

Siemens 6ES5470-4UA12 is a floating SIMATIC S5 470 analog output module in compact U format with eight outputs for ±10 V or 0 to 20 mA signals.

Product designation	SIMATIC S5 470 analog output module
Order number	6ES5470-4UA12
Output count	8
Voltage range	±10 V
Current range	0 to 20 mA
Electrical arrangement	Floating outputs
Mechanical version	Compact version U

MODEL-SPECIFIC POINT

Eight analog outputs

MODEL-SPECIFIC POINT

±10 V voltage output

MODEL-SPECIFIC POINT

0 to 20 mA current output

MODEL-SPECIFIC POINT

Floating compact-U design

Important Notice: Confirm each channel's voltage or current mode and downstream load before commissioning 6ES5470-4UA12.

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 6ES5470-4UA12

Analog Output Module / System integration and applications

The module generates eight configured analog commands for the installed SIMATIC S5 system. Output mode, load wiring, reference points, address allocation and scaling remain matched to the project.

Analog actuator command

Generates configured control signals for valves, drives or positioners.

Process setpoint output

Provides eight documented analog setpoints from the S5 program.

Legacy analog renewal

Restores the exact 470 module position while retaining channel scaling.

Voltage or current loops

Supports the published output mode selected for each installed circuit.

Additional manufacturer data

Voltage range	±10 V
Current range	0 to 20 mA
Electrical arrangement	Floating outputs
Mechanical version	Compact version U

VERIFIED RELATED SIEMENS PRODUCTS

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

01 Siemens 6ED1052-1MD00-0BA5

02 Siemens 6SE7027-2TD84-6HF3

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 6ES5470-4UA12

Analog Output Module / Installation and commissioning workflow

01 / CONTROLLED STEP

Confirm the complete Siemens 6ES5470-4UA12 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	6ES5470-4UA12
Installed function	Analog Output 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 6SE7033-7EG84-1JF1

02 Siemens 6SE7035-1EJ84-1JC1

Siemens 6ES5470-4UA12

Analog Output Module / Model-specific decisions

What identifies Siemens 6ES5470-4UA12?

6ES5470-4UA12 is the exact Siemens analog output module described in the manufacturer product record.

What must be recorded before removing Siemens 6ES5470-4UA12?

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

How should Siemens 6ES5470-4UA12 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 6ES5470-4UA12 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 6ES5470-4UA12?

It is a floating SIMATIC S5 470 analog output module in compact U format with eight outputs for ±10 V or 0 to 20 mA signals.

Why is the complete 6ES5470-4UA12 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 6ES5470-4UA12?

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 6ES5470-4UA12?

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 6ES5451-4UA12

02 Siemens 6ES5470-4UB12

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 6ES5470-4UA12

Analog Output 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	6ES5470-4UA12
Product type	Analog Output 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 6ED1052-1HB08-0BA1

02 Siemens 6AV2124-0QC02-0AX1

MANUFACTURER SOURCE

Siemens SiePortal product record for 6ES5470-4UA12

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

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