



6ES5470-4UB12

Siemens SIMATIC S5 470 Analog Output Module

Product scope

- The exact order identity fixes output count at 8 channels within the Siemens SIMATIC S5 platform.
- The hardware path is defined by eight front-connected analog outputs isolated from the controller reference and served through the U-periphery bus.
- Its intended duty is legacy S5 loops that command drives, valve positioners or other voltage-controlled equipment.
- a compact SIMATIC S5 470 analog output module with eight isolated voltage-output channels in the UB12 order configuration

Official source basis

https://support.industry.siemens.com/cs/attachments/19395786/U-Peripherie_e_OCR.pdf

Technical facts are limited to the identified manufacturer documentation and the exact ordering configuration shown above.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	Siemens 6ES5470-4UB12	

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6ES5470-4UB12 technical profile

Siemens 6ES5470-4UB12 is the documented analog output module in the Siemens SIMATIC S5 family. For installed its exact configuration, output count is 8 channels, while output form is Voltage output.

Within the installed architecture, the unit converts S5 digital output words into analog command signals for actuators and process-control devices. Its documented interface arrangement—eight front-connected analog outputs isolated from the controller reference and served through the U-periphery bus—defines where it fits in legacy S5 loops that command drives, valve positioners or other voltage-controlled equipment.

Recommissioning depends on a confirmed match for output range, channel load, front connector, S5 addressing, grounding and the exact UB12 suffix. Verify every output is de-energized and correctly scaled before reconnecting field devices; a different 470 suffix can use another signal range

Selection notice

Reconnect 6ES5470-4UB12 only after every analog output has been isolated, scaled and checked against the original loop sheet.

Technical specifications

Output count	8 channels
Output form	Voltage output
UB range	Positive 10 V class
Channel isolation	Eight outputs isolated from 0 V
Module construction	Compact S5 U design
Data conversion	Digital-to-analog
Controller interface	SIMATIC S5 bus
Field access	Front connector
Signal destination	Analog actuator command
Addressing basis	Installed S5 hardware configuration
Replacement boundary	Exact 4UB12 range required
Documentation family	SIMATIC S5 U Periphery

Application and integration notes

Signal Performance	• The functional objective is to convert S5 digital output words into analog command signals for actuators and process-control devices. • The official specification records output count as 8 channels, defining one performance boundary of this configuration. • System results depend on retaining eight front-connected analog outputs isolated from the controller reference and served through the U-periphery bus and the host conditions used in legacy S5 loops that command drives, valve positioners or other voltage-controlled equipment.
Protection	• Protection behavior must be assessed against the documented range of Positive 10 V class. • Verify every output is de-energized and correctly scaled before reconnecting field devices; a different 470 suffix can use another signal range • A functional protection test in legacy S5 loops that command drives, valve positioners or other voltage-controlled equipment is required before the restored path is accepted for service.
Configuration	• The service baseline must retain the original project, parameter set or media image associated with legacy S5 loops that command drives, valve positioners or other voltage-controlled equipment. • The official record identifies addressing basis as Installed S5 hardware configuration, which must be reconciled before a download or restart. • Backups for the Siemens SIMATIC S5 installation should be verified before removal so an unproven state is not introduced through eight front-connected analog outputs isolated from the controller reference and served through the U-periphery bus.

Request product documentation and quotation support

Send the complete label, system configuration, quantity and destination.



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