



6ES5460-4UA12

Siemens SIMATIC S5 460 Floating Analog Input Module

Product scope

- The exact order identity fixes input count at 8 isolated channels within the Siemens SIMATIC S5 platform.
- The hardware path is defined by floating front inputs, plug-in range modules and enable terminals tied to the U-periphery bus.
- Its intended duty is thermocouple, Pt100 and process-signal acquisition in installed SIMATIC S5 control cabinets.
- a compact eight-channel SIMATIC S5 460 floating analog input module with two range submodules and the UA12 low-level measurement features

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 6ES5460-4UA12	

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6ES5460-4UA12 technical profile

Siemens 6ES5460-4UA12 is the documented analog input module in the Siemens SIMATIC S5 family. Designed around its exact configuration, input count is 8 isolated channels, while range hardware is Two measurement submodules.

The hardware supports thermocouple, Pt100 and process-signal acquisition in installed SIMATIC S5 control cabinets by performing one defined task: it digitizes isolated process signals for the S5 controller while supporting specialized low-voltage and open-circuit monitoring arrangements. Its host-facing path uses floating front inputs, plug-in range modules and enable terminals tied to the U-periphery bus.

Selection cannot be based on appearance; compare range-module order numbers, amplifier use, enable jumper, test-current setting and the existing S5 address plan. The open-circuit test current can distort commissioning measurements; follow the UA12 manual before applying 24 V to the control pins

Selection notice

Keep the 6ES5460-4UA12 open-circuit test-current setting under control because it can disturb low-level commissioning measurements.

Technical specifications

Input count	8 isolated channels
Range hardware	Two measurement submodules
Low-level option	±12.5 mV with amplifier
Isolation rating	60 V AC / 75 V DC
Test current	Can be disabled by control voltage
Control pins	24 and 21 for test-current control
Enable circuit	F+ and F- terminals
Signal conversion	Multiplexed ADC
Temperature sensing	Pt100 ranges by submodule
Voltage ranges	Submodule dependent millivolt inputs
Current ranges	Submodule dependent process inputs
Platform connection	SIMATIC S5 U periphery

Application and integration notes

Field Environment	• The analog input module used in thermocouple, Pt100 and process-signal acquisition in installed SIMATIC S5 control cabinets must remain within the environmental limits published for its complete Siemens SIMATIC S5 assembly. • The available official record lists isolation rating as 60 V AC / 75 V DC; that limit must be interpreted for the exact order configuration. • Airflow, condensation control, contamination and transport protection must be reviewed for the site conditions in thermocouple, Pt100 and process-signal acquisition in installed SIMATIC S5 control cabinets.
Diagnostics	• In service, the assembly digitizes isolated process signals for the S5 controller while supporting specialized low-voltage and open-circuit monitoring arrangements. • The documented low-level option is ± 12.5 mV with amplifier, providing a reference for post-installation checks. • Acceptance requires a functional test in thermocouple, Pt100 and process-signal acquisition in installed SIMATIC S5 control cabinets, not merely a clear hardware indication.
Certifications	• Compliance for this analog input module is determined from approvals attached to the complete Siemens SIMATIC S5 order configuration. • The official technical record identifies isolation rating as 60 V AC / 75 V DC for the documented hardware. • Site, cabinet or hazardous-area approval must be reconciled with the installed labeling used in thermocouple, Pt100 and process-signal acquisition in installed SIMATIC S5 control cabinets.

Request product documentation and quotation support

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



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