

6ES5460-4UA12

Analog Input Module

COMPLETE PRODUCT INFORMATION

It provides eight floating SIMATIC S5 analog inputs and requires the matching Siemens measuring-range module for the selected signal type.

- Provides eight floating analog inputs
- Supports low-level voltage and Pt100 ranges
- Requires a measuring-range module
- Fits the compact U-periphery analog position

VERIFIED IDENTITY

Article number	6ES5460-4UA12	Module designation	SIMATIC S5 460 analog input module
Analog inputs	8	Electrical arrangement	Floating; eight inputs referred to 0 V and isolated from one another
Measuring-range hardware	Range module required	Range submodule	6ES5498-1AA11

Official source: Siemens SIMATIC S5 U Periphery Instructions and exact Industry Mall article record
Publication: C79000-B8576-C300-06; exact MLFB product record

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TECHNICAL DATA

Article number	6ES5460-4UA12	Module designation	SIMATIC S5 460 analog input module
Analog inputs	8	Electrical arrangement	Floating; eight inputs referred to 0 V and isolated from one another
Measuring-range hardware	Range module required	Range submodule	6ES5498-1AA11
Documented range-submodule selection	50 mV / 500 mV / Pt100	Lifecycle	Discontinued; deleted without replacement
Lifecycle effective date	1 October 2005	Export classification	ECCN N; AL N
Siemens catalog identifier	ST9-E5	Packaging quantity	1 piece

APPLICATIONS & SYSTEM COMPONENTS

Isolated sensor acquisition	Collects eight independent analog process channels.
Eight-point temperature monitoring	Acquires documented Pt100 measurement points.
Low-level voltage measurement	Measures approved millivolt signals with the selected range hardware.
S5 460 module replacement	Restores the exact 460-4UA12 measurement position.

- SIMATIC S5 U-periphery rack
- documented sensor wiring and shield system
- 6ES5498-1AA11 measuring-range submodule
- approved S5 analog scaling and block configuration

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PRECAUTIONS & ENGINEER FAQ

PRODUCT PRECAUTIONS

- Verify the complete 6ES5460-4UA12 marking and the assigned SIMATIC S5 compact U-periphery system position before work.
- Isolate all applicable power and eight range-selected floating analog inputs field energy before disconnection.
- Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- Restore power in a controlled sequence and review module, rack and host diagnostics.
- Place the connected isolated sensor acquisition process in the approved maintenance state.
- Record every connector, conductor, address, jumper and project identity before removal.
- Confirm the installed SIMATIC S5 U-periphery rack and 6ES5498-1AA11 measuring-range submodule against the approved system record.
- Prove the intended eight-point temperature monitoring function and retain the final acceptance result.

ENGINEER FAQ — PART 1

1	Why does Siemens 6ES5460-4UA12 require measuring-range hardware?	The module depends on the matching range submodule to condition the selected sensor or voltage range before conversion.
2	What channel count and isolation apply to 6ES5460-4UA12?	It has eight floating inputs referred to 0 V and isolated from one another.
3	Which Siemens range submodule is listed for 6ES5460-4UA12?	The U-periphery instructions list 6ES5498-1AA11 for the documented 50 mV, 500 mV and Pt100 selections.
4	What must be photographed before removing 6ES5460-4UA12?	Capture the complete MLFB, range submodule, bridge or switch positions, terminal wiring, shields and channel labels.

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ENGINEER FAQ & RELATED PRODUCTS

1	How should an engineer preserve 6ES5460-4UA12 channel isolation?	Maintain the documented reference conductors and shield topology; do not bond floating inputs together during rewiring.
2	Which project data must match 6ES5460-4UA12?	Restore the exact peripheral address, raw-value interpretation, fault handling and engineering-unit scaling for all eight channels.
3	What does the Siemens lifecycle entry say about 6ES5460-4UA12?	The article reached end of product lifecycle in October 2005 and was deleted without replacement.
4	How should 6ES5460-4UA12 be function-tested?	Inject approved reference values for each installed range and verify every channel, scaling result and diagnostic state before process release.

RELATED PRODUCTS ON APTER POWER

01	GE IC670ALG620	Related industrial automation product
02	GE IC670ALG330	Related industrial automation product
03	GE IC670ALG320	Related industrial automation product
04	GE IC670ALG310	Related industrial automation product
05	GE IC670ALG240	Related industrial automation product
06	GE IC670ALG230	Related industrial automation product
07	GE IC670MFP100	Related industrial automation product
08	GE IC670FBI001	Related industrial automation product

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