

6ES5460-4UA12

Analog Input Module

PRODUCT AND SYSTEM TECHNICAL REFERENCE

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
- Requires a measuring-range module
- Supports low-level voltage and Pt100 ranges
- 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

APPLICATION SNAPSHOT

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.

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TECHNICAL SPECIFICATIONS

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

MATCHED COMPONENTS

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

TECHNICAL ACCEPTANCE CRITERIA

Exact identity	Complete 6ES5460-4UA12 marking matches the controlled record
System match	Installed position belongs to the SIMATIC S5 compact U-periphery system
Companion hardware	All required rack, connector, field and project items are reconciled
Electrical limits	Supply, ranges and signal values remain within the named Siemens data
Diagnostics	Module, rack, network and host indications are understood and accepted
Controlled response	The eight range-selected floating analog inputs function is proven and recorded

Verify the required measuring-range module and every bridge or switch setting; preserve channel wiring, shielding and project scaling before energization.

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SYSTEM INTEGRATION & FAQ

DOCUMENTED APPLICATIONS

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.

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	Bently Nevada 330909 00 25 10 02 00	Related industrial automation product
02	Siemens C98043 A7106 L1	Related industrial automation product
03	Bently Nevada 330908 21 35 10 02 00	Related industrial automation product
04	Bently Nevada 330905 0 25 05 02 IN	Related industrial automation product
05	Bently Nevada 330903 00 07 10 01 CN	Related industrial automation product
06	Prosoft MVI56 MCM	Related industrial automation product
07	Bently Nevada 330903 00 07 10 01 00	Related industrial automation product
08	ABB PM590 ETH 1SAP150000R0271	Related industrial automation product

Manufacturer source	Siemens SIMATIC S5 U Periphery Instructions and exact Industry Mall article record
Publication	C79000-B8576-C300-06; exact MLFB product record
Technical boundary	Values are limited to this exact-model source record
Acceptance evidence	Retain the as-left identity, diagnostics and controlled test result

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