

6ES5460-4UA11

Analog Input Module

PRODUCT AND SYSTEM TECHNICAL REFERENCE

It acquires eight mutually isolated analog channels through the documented measuring-range submodule in a SIMATIC S5 U-periphery station.

- Acquires eight analog input channels
- Uses the documented range submodule
- Keeps the input channels electrically floating
- Supports compact U-periphery analog measurement

VERIFIED IDENTITY

Article number	6ES5460-4UA11
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
Range submodule	6ES5498-1AA11
Documented range-submodule selection	50 mV / 500 mV / Pt100

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

Eight-channel process measurement	Collects eight isolated process values for S5 logic.
Pt100 temperature acquisition	Measures documented resistance-temperature inputs through the range submodule.
Millivolt signal monitoring	Acquires low-level voltage signals under the approved wiring scheme.
S5 analog-input replacement	Restores the original analog address and range arrangement.

APTER POWER | TECHNICAL REFERENCE

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com | WEBSITE www.apterpower.com
6ES5460-4UA11 | PAGE 1



TECHNICAL SPECIFICATIONS

Article number	6ES5460-4UA11
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
Range submodule	6ES5498-1AA11
Documented range-submodule selection	50 mV / 500 mV / Pt100
Mechanical version	Compact version U
Availability	Spare part only
Lifecycle	Discontinued; deleted without replacement
Lifecycle effective date	1 April 1998
Siemens catalog identifier	ST9-E5

MATCHED COMPONENTS

- SIMATIC S5 U-periphery rack
- 6ES5498-1AA11 measuring-range submodule
- shielded analog field wiring and reference conductors
- S5 analog address and scaling configuration

TECHNICAL ACCEPTANCE CRITERIA

Exact identity	Complete 6ES5460-4UA11 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 floating analog input channels function is proven and recorded

Record each channel, range-submodule setting, shield termination and scaling before removal; do not transfer range data from a neighboring suffix.

APTER POWER | TECHNICAL REFERENCE

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com | WEBSITE www.apterpower.com

6ES5460-4UA11 | PAGE 2



6ES5460-4UA11

SYSTEM INTEGRATION & FAQ

DOCUMENTED APPLICATIONS

Eight-channel process measurement	Collects eight isolated process values for S5 logic.
Pt100 temperature acquisition	Measures documented resistance-temperature inputs through the range submodule.
Millivolt signal monitoring	Acquires low-level voltage signals under the approved wiring scheme.
S5 analog-input replacement	Restores the original analog address and range arrangement.

PRODUCT PRECAUTIONS

- Verify the complete 6ES5460-4UA11 marking and the assigned SIMATIC S5 compact U-periphery system position before work.
- Isolate all applicable power and eight floating analog input channels 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 eight-channel process measurement 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 pt100 temperature acquisition function and retain the final acceptance result.

ENGINEER FAQ — PART 1

1	How many channels does Siemens 6ES5460-4UA11 acquire?	The module acquires eight analog inputs in the documented compact U-periphery arrangement.
2	What isolation arrangement is specified for 6ES5460-4UA11?	The eight inputs are floating, referred to 0 V and electrically isolated from one another.
3	Which range hardware is documented with 6ES5460-4UA11?	The Siemens U-periphery instructions identify measuring-range submodule 6ES5498-1AA11 for the listed 50 mV, 500 mV and Pt100 selections.
4	Why must channel scaling be captured before replacing 6ES5460-4UA11?	The CPU project converts raw values according to the installed range and engineering scale; an incorrect transfer changes the process value.

APTER POWER | TECHNICAL REFERENCE

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com | WEBSITE www.apterpower.com

6ES5460-4UA11 | PAGE 3



6ES5460-4UA11

ENGINEER FAQ & RELATED PRODUCTS

1	How should shields be restored on 6ES5460-4UA11?	Recreate the recorded shield and reference-conductor terminations without introducing extra ground paths between floating channels.
2	What spare-part limitation applies to 6ES5460-4UA11?	Siemens lists it as a spare-only discontinued article deleted without replacement, so the exact MLFB must be retained.
3	Can 6ES5460-4UA11 use settings copied from 6ES5460-4UA12 without review?	No. Treat each complete article number separately and verify the range submodule, bridge settings and project channel data.
4	How is 6ES5460-4UA11 accepted after installation?	Apply controlled reference values to all eight channels and confirm stable raw values, engineering scaling and absence of analog diagnostics.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 21000 34 10 20 062 04 02	Related industrial automation product
02	Bently Nevada 21000 34 10 20 058 04 02	Related industrial automation product
03	Bently Nevada 330881 16 00 307 06 02	Related industrial automation product
04	Bently Nevada 330881 16 00 200 06 02	Related industrial automation product
05	Bently Nevada 330103 00 25 05 02 00	Related industrial automation product
06	Bently Nevada 330106 05 30 10 02 IN	Related industrial automation product
07	Siemens 6RY1243 0EA00	Related industrial automation product
08	Honeywell 10024 H I	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

APTER POWER | TECHNICAL REFERENCE

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com | WEBSITE www.apterpower.com

6ES5460-4UA11 | PAGE 4



6ES5460-4UA11