

Product dashboard

Siemens 6ES5374-1KH21 is a 256 Kbyte word-organized SIMATIC S5 flash EPROM memory card for storing or transferring a CPU 945 control program.

Exact model

6ES5374-1KH21

Product type

Flash Memory Card

System family

SIMATIC S5 CPU 945

Functional role

Program Memory Module

PARAMETER	DOCUMENTED VALUE
Exact article	6ES5374-1KH21
Hardware type	SIMATIC S5 memory card
Memory technology	Flash EPROM
Memory capacity	256 Kbytes
Organization	Word
Submodule ID	500
Controller context	SIMATIC S5 CPU 945
Primary use	Control-program storage or transfer

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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6ES5374-1KH21

System overview

During SIMATIC S5 maintenance, Siemens 6ES5374-1KH21 carries the retained user program between the programming system and the CPU 945 without changing the controller's established I/O structure.

Program retention

Stores the approved SIMATIC S5 CPU 945 user program in flash EPROM.

Controlled program transfer

Moves the verified program between the programming system and the target controller.

Legacy CPU maintenance

Supports exact-card replacement during CPU 945 service work.

Configuration recovery

Restores a validated controller program after identity and version checks.

SYSTEM POSITION	RECORD
Installed identity	6ES5374-1KH21

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Technical data map

PARAMETER	VERIFIED VALUE
Exact article	6ES5374-1KH21
Hardware type	SIMATIC S5 memory card
Memory technology	Flash EPROM
Memory capacity	256 Kbytes
Organization	Word
Submodule ID	500
Controller context	SIMATIC S5 CPU 945
Primary use	Control-program storage or transfer
Programming requirement	Software level 6.6 or higher
Identification rule	Retain the complete 1KH21 suffix
Pre-installation check	Compare retained program and card identity
Post-installation check	Verify program transfer and CPU diagnostics

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	storage and controlled transfer of the SIMATIC S5 CPU 945 user program

Technical evidence record: Siemens SIMATIC S5 CPU 945 Manual, order no. 6ES5998-3UF21, memory-submodule table on

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Applications and precautions

1

Confirm the complete 6ES5374-1KH21 marking before handling the memory card.

2

Archive the current CPU 945 program and record its accepted version.

3

Place the controller in the approved maintenance state before card removal.

4

Use ESD controls and protect the card contacts from contamination.

5

Verify 256 Kbytes, word organization and submodule ID 500 against the service record.

6

Use programmer software level 6.6 or higher for the 1KH21 execution.

7

Transfer or compare the retained program before returning the CPU to operation.

8

Review CPU diagnostics and execute the controlled machine acceptance test.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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6ES5374-1KH21

Buyer and engineering FAQ

What capacity does Siemens 6ES5374-1KH21 provide?

The card provides 256 Kbytes of flash EPROM program memory.

How is Siemens 6ES5374-1KH21 organized?

The CPU 945 memory-card table identifies the 1KH21 execution as word-organized.

Which controller context lists Siemens 6ES5374-1KH21?

It appears in the SIMATIC S5 CPU 945 technical manual as a supported memory submodule.

What is the submodule ID for Siemens 6ES5374-1KH21?

The listed submodule identification is 500.

Related Apter Power pages

[Siemens 6ES5946-3UA22](#)

[Siemens 6ES5928-3UB21](#)

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