

Siemens

6ES5374-1KH21

Flash Memory Card

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

System position

Exact identity 6ES5374-1KH21	System family SIMATIC S5 CPU 945	Functional role Program Memory Module	Release basis Recorded test and diagnostics
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Keep the hardware and configuration identities together

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.

IDENTITY / RESOURCE	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

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

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Interfaces and integration

Define the installed role

During SIMATIC S5 maintenance, Siemens 6ES5374-1KH21 carries the retained user program between the programming system and the CPU 945 without changing the

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Map the host relationship

The complete 6ES5374-1KH21 identity is matched to the host position, companion hardware and retained engineering record before any connection is disturbed.

Host	SIMATIC S5 CPU 945
Primary role	storage and controlled transfer of the SIMATIC S5
Acceptance	Diagnostics and functional response

Interface control matrix

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Electrical	Power, field wiring and protective earth
Communication	Address, network and companion configuration
Configuration	Switches, parameters, project and revision
Release	Controlled test with retained result

Configuration continuity

Retain the recorded SIMATIC S5 CPU 945 position, connected interfaces and configuration baseline.

Acceptance evidence

Release 6ES5374-1KH21 only after diagnostics and a controlled functional result are recorded.

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Technical resource bands

Only values tied to the complete product identity are listed. Installation-specific settings remain governed by the controlled site record.

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

Identity decision

Accept only the complete 6ES5374-1KH21 marking and the recorded hardware execution.

Host decision

Confirm the receiving SIMATIC S5 CPU 945 position and every companion component.

Interface decision

Compare mechanical fit, power, field wiring, communication and protective earth.

Release decision

Record diagnostics and a controlled test of storage and controlled transfer of the SIMATIC S5 CPU 945 user program before handover.

Engineering boundary

Use 6ES5374-1KH21 only after the exact host, installed position, companion parts, protection measures and commissioning record have been matched. Do not borrow ratings from a similar-looking variant.

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Controls and service logic

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.

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Read 6ES5374-1KH21 and all companion markings
2. Compare	Host, position, connections, settings and revision
3. Install	Restore wiring, shielding, retention and protection
4. Verify	Review diagnostics and execute controlled function test

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6ES5374-1KH21

Engineering decisions

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.

What is Siemens 6ES5374-1KH21 used for?

It stores the control program or transfers that program to the PLC during controlled maintenance.

Which programming software level supports Siemens 6ES5374-1KH21?

The marked execution requires programmer software level 6.6 or higher.

Related Apter Power pages

[Siemens 6ES5948-3UA11](#)

[Siemens 6ES5947-3UR21](#)

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