Siemens 6ES7952-1AM00-0AA0

Installation & Commissioning Guide

01 Define the installed-system task

RAM-card replacement is a memory-retention task as well as a hardware match; keep the application archive and backup-power arrangement together.

Technical values apply to the complete 6ES7952-1AM00-0AA0 execution. The card current values use the exact MC 952 order-number entry in the S7-400 CPU specifications.

Product type	MC 952 memory card
System	SIMATIC S7-400
Memory technology	RAM
Capacity	4 Mbytes
Design	Long design

Retain the project and identification record

Keep the complete 6ES7952-1AM00-0AA0 marking, installed configuration and approved application records together. Use the applicable Siemens and machine procedures to plan isolation, replacement and release.

02 Review the signal, power or memory path

The long-design MC 952 card provides 4 Mbytes of RAM for the S7-400 platform. RAM is volatile storage, so its behavior during loss of system power depends on the host backup arrangement. It must not be treated as a nonvolatile Flash card solely because the capacity matches.

For this card the MC 952 technical table gives 45 mA typical and 100 mA maximum operating current at 5 V. Backup current is 5 µA typical and 60 µA maximum. These are card values and must be considered within the installed CPU backup design.

Operating current	45 mA typical; 100 mA maximum at 5 V
Backup current	5 µA typical; 60 µA maximum
Storage behavior	RAM retention depends on the host backup arrangement

Check	Compare the installed configuration with the complete offered reference
Record	Retain the supply, interface or memory settings applicable to this item
Accept	Proceed only when the system record and actual hardware agree

03 Preserve configuration during replacement

Is the storage in 6ES7952-1AM00-0AA0 volatile?

Yes. This MC 952 card uses RAM. Retention through a supply interruption depends on the actual host backup arrangement.

Which controller family uses 6ES7952-1AM00-0AA0?

The complete order number identifies a long-design 4 Mbyte RAM card for the SIMATIC S7-400 family. Verify support for the actual CPU.

What is the operating-current budget for 6ES7952-1AM00-0AA0?

At 5 V the card draws 45 mA typically, with a maximum of 100 mA.

How much backup current is specified for 6ES7952-1AM00-0AA0?

The technical table specifies 5 µA typical and 60 µA maximum. Include the card in the host backup-current calculation.

Configuration acceptance

Keep a verified program and data archive before a planned power interruption or card replacement. Check the CPU load-memory requirements separately from its work-memory capacity. Commissioning must confirm the expected application, retained data and diagnostic state with the actual host CPU.

04 Commission and resolve diagnostic differences

Why should the backup arrangement be checked with 6ES7952-1AM00-0AA0?

RAM requires retention power. Record the installed CPU backup method and maintain an independent application archive before power interruption or replacement.

Does the 4 Mbyte rating of 6ES7952-1AM00-0AA0 describe CPU working memory?

No. It describes the card capacity. The CPU work-memory partitions and supported load-memory configuration are separate specifications.

What must be checked after loading 6ES7952-1AM00-0AA0?

Confirm that the intended program and data are present, the hardware configuration matches the installed controller and diagnostics allow the planned startup.

Is 6ES7952-1AM00-0AA0 the same storage execution as a Flash EPROM card?

No. This card is RAM. A Flash EPROM card has different retention and program-storage behavior, even where the nominal capacity is the same.

Release check

Use the approved machine test to verify the intended function, receiving-system response and diagnostic state. Record the final settings and restore the planned operating configuration before service.

05 Handover and lifecycle planning

6ES7952-1AM00-0AA0: The product is in the manufacturer phase-out announcement stage.

Support and replacement: Confirm current service and replacement guidance with Siemens using the complete marking, hardware revision and installed configuration.

Availability: Apter Power supply availability is confirmed separately from manufacturer lifecycle and support status.

Installed-system handover

Retain the full 6ES7952-1AM00-0AA0 identity, hardware and configuration record, application archive and commissioning results. Confirm the RAM card only, application contents and host backup arrangement; CPU and batteries are separate.

Explore other Siemens references

Portfolio navigation only; no compatibility or substitution is implied.

Siemens 6ES7953-8LL31-0AA0	View product
Siemens 6ES7193-4CC20-0AA0	View product
Siemens 6ES7193-4CA40-0AA0	View product

Discuss your complete reference

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Technical reference

Siemens 6ES7952-1AM00-0AA0 Data Sheet; S7-400 Automation System CPU Specifications, A5E00267840-03