SIMATIC S7-300

Product Data Sheet

6ES7951-1AJ00-0AA0

512 kB Short RAM Memory Card

MEMORY TECHNOLOGY	MEMORY CAPACITY	MECHANICAL FORMAT	FAMILY
RAM	**512 kB**	**Short memory-card design**	**SIMATIC S7-300**

Siemens 6ES7951-1AJ00-0AA0 is a 512 kB RAM memory card in the short design for the documented SIMATIC S7-300 platform. It provides the specified RAM memory-card capacity for a controller that supports this card type. The complete order code distinguishes it from Flash EPROM cards and later Micro Memory Card formats.

01 TECHNICAL DATA

Memory technology	RAM
Memory capacity	512 kB
Mechanical format	Short memory-card design

Siemens 6ES7951-1AJ00-0AA0 manufacturer technical data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

The manufacturer identifies RAM as the storage technology and 512 kB as the capacity. Data retention and transfer depend on the host CPU memory and backup arrangement; this card must not be described as nonvolatile Flash storage. A compatible CPU and its memory-management instructions determine how the card participates in application loading, backup and replacement.

03 PRODUCT FUNCTION

Verify that the installed S7-300 CPU supports the short RAM memory-card format and 512 kB capacity. Check the CPU order code and its memory instructions before insertion. This RAM card is not mechanically or functionally equivalent to a SIMATIC Micro Memory Card.

04 SYSTEM COMPATIBILITY

Manage the application through the host CPU programming procedure and distinguish RAM card storage from the CPU work-memory area. The card capacity does not automatically increase processor work memory. Retention depends on the CPU backup arrangement rather than Flash behavior.

05 REFERENCE

Siemens 6ES7951-1AJ00-0AA0 manufacturer technical data; applicable specification pages.

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