SIEMENS

SIMATIC S5−110A Programmable Controller

Test adapter 6ES5 332-OAA11

Instructions

"Signal status" LED

"Result of logic operation" LED

Address setter

Memory address

Receptacle for EPROM
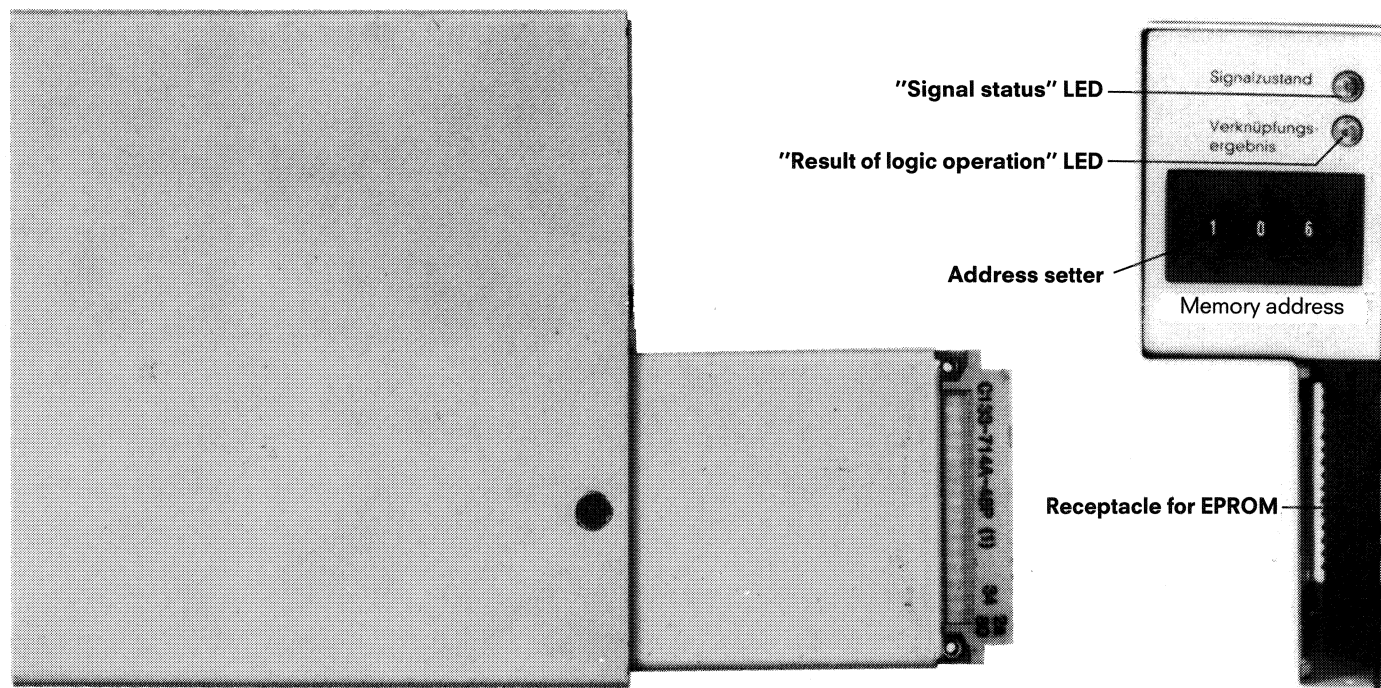
1. Application

Test adapters are valuable commissioning and troubleshooting aids for the SV-110A and S5-010 programmable controllers.

2. Principle of operation

The test adapter can interrogate address and data lines of the programmable controller and display information on LEDs.

The compact test adapter is plugged directly into the EPROM receptacle on the CPU. The memory submodule is then plugged into the test adapter.

The test adapter has absolutely no effect on the CPU cycle.

3. Operation
Address setter

This is used to set the three-digit address of the desired program word in hexadecimal code. The setter can be changed at any time during the cycle.

The "Signal status" LED provides information on the logical state of the inputs and flags. It lights up in green when a "1" signal is present. The actual signal status of the inputs and outputs is displayed even in the case of negated scanning operations. The negation is ignored in the displays. In the case of setting operations, the signal status display has no significance.

The LED for the result of the logic operation (RLO) provides information on the logical status after the selected statement has been processed. The LED lights up when the intermediate result of a logic operation is "1".

4. Technical specification

Addressing range	0 . . . 2K (7FF hexadecimal) Jumper B-C in the module 0 . . . 4K (FFF hexadecimal) Jumper A-B in the module For testing programs, it is advisable to use the 630 programming unit if the program is longer than 2K. If this unit is not available, the test adapter can only be used for testing 4K programs after relocating jumper B-C to A-B. The module must be opened up for this purpose.
Signal status display	Status of the DATA IN line Valid only in connection with scanning operations.
RLO display	State of the RLO register after the selected operation has been processed.
Current consumption at 5 V	Approx. 1 mA