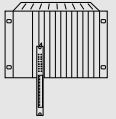


# APPLICATION PROGRAM MEMORY MODULES, EP128 - 128 KBYTE EPROM

PLC SYSTEMS  
MULTICONTROL COMPONENTS

# A6



EP128 - TYPE B - 128 KBYTE EPROM



## EP128

- EPROM Application Program Memory Module for Type B CPUs and Type B Parallel Processors
- 128 KByte EPROM for Max. 42 K Instructions and 34 KByte System Module
- Programming in the Processor Module
- Write Protect Switch
- Programming LED

### ORDER DATA

<b>ECEP128-0</b>	EPROM Application Program Memory Module, 128 KByte EPROM for Max. 42 K Instructions and 34 KByte System Module
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### TECHNICAL DATA

### EP128

Utilized with CPUs Peripheral Processors	CP60, CP70, NTCP6# PP60, PP60 MEM
Memory Capacity and Type	128 KByte EPROM
Programming	in the Processor Module, with a command from the programming device
Deleting	With UV Light
Security	Write Protect Switch as protection against Accidentally Overwriting the Program
Status LED	PGM LED (Programming Indicator)
Documentation German English French Italian Spanish	Hardware Manual MULTICONTROL MAHWMULTI-0 MAHWMULTI-E MAHWMULTI-F MAHWMULTI-I MAHWMULTI-S

### Downloading an Application Program

When an application program is transferred from the programming device to the processor module (RUN), the program is stored in the internal RAM of the processor module and then started whether another program is stored in the EE128 module or not and even if an EE128 module doesn't exist.

### Programming the EPROM Memory

By giving the "F1 PROGRAM" command from the EEPROM menu of the programming device, the processor module is abandoned in order to copy the application program from EE128 RAM to the EEPROM. During the EEPROM programming, the programming LED is lit. Programming the EEPROM can also be done when an application program is still running. After the programming procedure is finished, the write protect switch (WE/WP) is to be set to WP (Write Protected). This ensures that the program will not be accidentally overwritten from EEPROM memory. EEPROM memory is not deleted, it is simply overwritten with a new program.

### Uninterrupted Application Program Transferal

An application program can be downloaded into the RAM of the EE128 with the programming command "XFER" and without any influence on the program running in the EEPROM. The program in RAM and the one in the EEPROM can be switched between with a command on the programming device. The switch is made synchronous to the program cycle.

### Loading Application Programs from the EP128 Module

Application programs can be loaded back into the programming device from the EP128 module. This can also be done if an application program is running. A program that is loaded from the EP128 module can be run but it no longer has any comments, ladder diagram pictures or symbols.

### Power-On Behavior

Since type B processor modules have internal RAM no PROM module is required. If no EP128 module is in the processor module when the system is switched on, then the program is tested and started in internal RAM.

If there is an EP128 module in the processor module, it must contain a valid program. If the EP128 module is blank or if the program that is stored on it has an error, the processor module remains in HALT state and the status LED lights. CPUs with a status display also show an error number.