8.1 Program memory modules MS5, MS51, MS52

Order Nos.

MS5: 6DD1610-0AH0

MS51: 6DD1610-0AK0

MS52: 6DD1610-0AH2

Description

The MS5, MS51 and MS52 program memory modules are used to save the processor program, configured by the user with HWConfig and CFC (including the operating system).

Installation / programming

The program memory module is inserted in the module receptacle of the CPU module provided and the user program can be downloaded in two ways:

- via a PCMCIA card, integrated in the PC (**offline loading**) (PC card)
- directly from the PC via a serial communications link into the memory module inserted in the CPU module (**online loading**)

Program size

The size of the software to be loaded into the memory module ("zipped" to approximately 50%), and the size of the available program memory in the CFC is displayed under the following memory item:

Target system / load / info

Memory overview

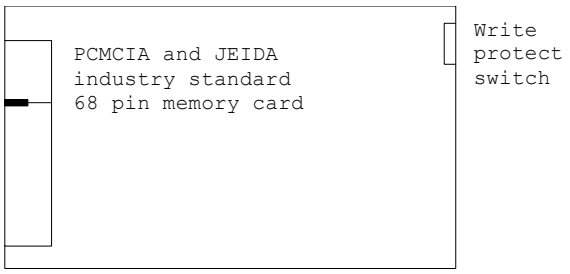
The differences in the application and the memory expansion of the MS5, MS51 and MS52 program memory modules are shown in the following table:

Application	MS5	MS51	MS52
Flash memory to store the configuring software	2 Mbyte	4 Mbyte	8 Mbyte
EEPROM for operating parameters which can be changed	8 Kbyte	8 Kbyte	8 Kbyte

Table 8-1 Application areas of the program memory modules

NOTE

The flash memory is a non-volatile memory which can be electrically programmed and erased.



8.1.1 Technical data

General data

Dimensions (W x H x D)	54 x 85.6 x 3.3 mm
Weight	30 g

Power supply

	MS5	MS51	MS52
Power supply	+5 V	+5 V	+5 V
Current drain	100 mA	100 mA	100 mA
Connection to JEIDA/PCMCIA	68 Pin		
Access time	200 ns		