

General Specifications

GS34M6C22-01E

FA-M3
F3EM01-0N
Memory Card Module

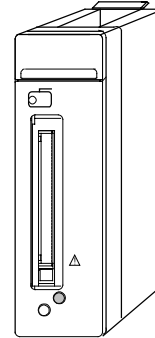
FA-M3

General

The Memory Card Module provides support for compact flash memory when it is mounted in an I/O slot of the Range Free Multi-controller FA-M3.

When installed, it allows contents of CPU module devices to be saved as files to the compact flash. Likewise, device data can be read from such files and be written to the CPU module.

The compact flash (hereinafter abbreviated as CF) can be removed with the power turned on. It can be then be simply used on a personal computer running Microsoft Windows, without need for any special tools.



Features

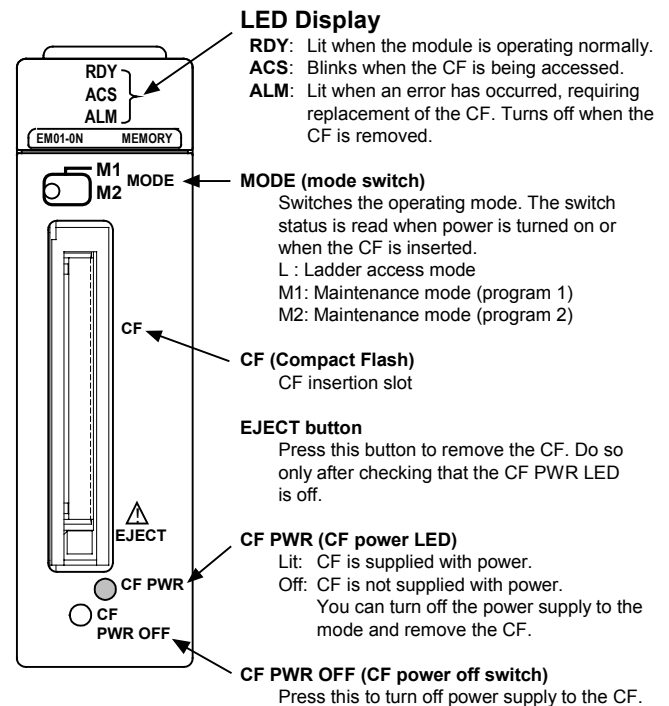
- Uses CF available on the market as memory media. CF is readily available and relatively low cost at high capacities.
- A ladder program can be batch downloaded to multiple CPU modules without using a ladder program. Likewise, devices of multiple CPU modules can be uploaded (in maintenance mode), thus reducing the downtime required for maintaining the equipment and system.
- Using a ladder program, device data of one CPU module can be stored in the CF of multiple memory card modules; conversely, device data of multiple CPU modules can be stored in the CF of a single memory card module.

Components and Functions

Specifications

Item	Specifications
Memory media	Compact flash (type 1) Please use only products manufactured by SanDisk.
CF file system	FAT16 (long file names supported)
Number of CF that can be inserted	1
Device data that can be stored	All devices in the CPU module.
Number of modules that can be mounted	For F3SP05, F3SP08, F3SP21: 2 max. For F3SP25, F3SP28, F3SP35, F3SP38, F3SP53, F3SP58, F3SP59: 6 max. * Total number of modules with equivalent functions (Personal Link Module, etc.)
Temperature range	0°C to 55°C (but without exceeding the maximum temperature rated for the CF less 15°C.) For example, if the temperature rating of the CF is 0°C to 60°C, the operating temperature range will be 0°C to 45°C.
Current consumption	300 mA (excluding the CF)
External dimensions	28.9 (W) × 100 (H) × 83.2 (D) mm ^{*1}
Weight	100 g

*1: Excluding Protrusions (For details, see the external dimensions diagram)



When using the module in maintenance mode:

- Prepare a maintenance program file in the CF.
- Select maintenance mode using the MODE switch and insert the CF.
- The CF PWR LED is lit during execution of a maintenance program.
- If normal execution fails, the ALM LED is lit.

Operating Environment

- The Memory Card module is compatible with the following CPU module types.

CPU Module	ROM Rev.
F3SP05, F3SP08, F3SP21, F3SP25, F3SP35, F3SP28, F3SP38, F3SP53, F3SP58 F3SP59	—

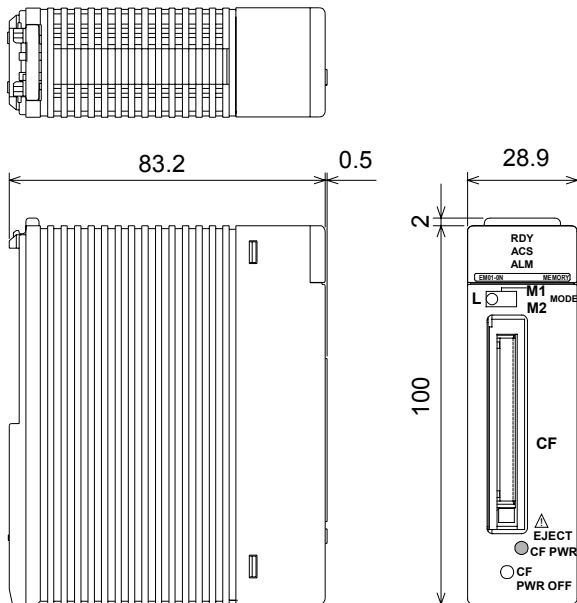
- The media used by the Memory Card module is accessible on a personal computer running the following operating systems.

Compatible OS	Windows98 Second Edition Windows Me Windows 2000
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Model and Suffix Codes

Model Code	Suffix Code	Style Code	Additional Code	Remarks
F3EM01	-0N	Memory media: Compact flash

External Dimensions



Cautions

Note the following precautions when using the Memory Card Module.

- Do not exceed the total number of write operations allowed for a CF. This limit depends on the type of the CF. For example, CF manufactured by SanDisk allows up to 300,000 write operations.
- The CF can be removed up to 10,000 times. Do not exceed this limit.
- When formatting (initializing) a CF, format it to FAT16 format on a compatible operating system.
- Always ensure that the CF PWR LED is turned off before removing the CF or turning off the FA-M3 power supply. If the LED is turned on, press the CF PWR OFF switch to turn it off.