Attention!

Dear Customer,

This shipment contains a PM 803F Step2, a 16 MB CPU for AC 800F with internal Battery Backup functionality.
This module may only be used together with Control Builder F / Control Software for Freelance 800F **version 7.1SP2a** or higher. If you already have installed V7.1, V7.1SP1 or V7.1SP2 you can download V7.1SP2a and hotfixes from ABB SolutionsBank free of charge.

The performance of PM 803F is slightly lower compared to PM 802F. For typical projects a difference of 5 % was measured. To estimate the CPU load of an application on PM 803F, multiply the CPU load of PM 802F by 1.05.

Example: An application running PM 802F with 60% CPU load is estimated to run on PM 803F with 63% CPU load.

Please note the internal battery backup functionality for module PM 803F is only given with EI 81xF (x = 1, 2 or 3) and AM 811F **of hardware index 02.00 or higher**.

Using EI 80xF or AM 801F (regardless of hardware index) the memory content will **not** be saved in case of power failure. The same applies for EI 81xF or AM811F labeled with a hardware index below 02.00.
On power loss for more than 20 ms the memory content will be lost. After a power fail restart you have to reload the configuration. AC 800F will execute a cold start and the outputs will be set to initial values.

PM 803F with a serial number >637 should be used only together with **modified** EI 81xF and AM 811F. Without the „hold acknowledge" modification the Ethernet communication may get faulty.
Modules with a specific hardware index (see table below) have to be modified before usage.

Hotfix HF7 is required in addition to service pack 7.1SP2a. It enables the boot-loader managing different Flash EPROM types.

Modul	Bestellnummer	Hardware Index
EI 811F	3BDH000020R1	01.00, 01.01, 02.00, 02.01, 02.03, 03.00, 03.01, 04.00
EI 812F	3BDH000021R1	01.00, 01.01, 02.00, 02.01, 02.03, 03.00, 03.01, 04.00
EI 813F	3BDH000022R1	01.00, 01.01, 02.00, 02.01, 02.03, 03.00, 03.01, 03.02, 04.00
AM 811F	3BDH000050R1	01.00, 02.00, 02.01, 03.00, 04.00