



PRODUCT-DETAILS

3BDH000364R0002

PM 783F CPU Module

General Information

Product ID	3BDH000364R0002
ABB Type Designation	PM 783F
Catalog Description	PM 783F CPU Module
Long Description	The Central Processing Unit (CPU) module is equipped with a high-performance processor for fast loop cycle times. It comes with on-board 100 Mbit/s Ethernet network connection used for communication between controllers, operator stations and engineering tool. Two serial line interfaces complete the connectivity. One interface can be used for Modbus communication, while the other is used for diagnostics. The CPU has 10 MB of memory of which 2 MB are battery backed up. For demanding applications, eight cyclic and priority driven tasks with adjustable cycle time can be configured, as well as a cyclic PLC type task which runs as fast as possible. The small front panel display shows status and diagnostic information directly at the module. Furthermore you can lock the controller via the keys. This means the controller can be blocked for downloads of application and firmware to enhance security. The status, if the controller is locked or unlocked, is shown on the display. S700 I/O modules can be directly plugged to the CPU module or can be used as remote I/O via PROFIBUS. A maximum of eight modules can be connected to one controller. 3rd party I/O's can be connected via a MODBUS ASCII / RTU, IEC 60870-5-101 Telecontrol protocol or via PROFIBUS. The CPU and the local S700 I/O modules communicate very fast. I/O scan times of 2 ms are possible. Short circuit and line break detection is realized for each channel.

Additional Information

Medium Description	The PM 783F is a programmable logic controller (PLC) particularly suitable for small applications consisting of a few to several hundred I/O signals.
Technical Information	Without operating system. The operating system has to be loaded during software installation. Needs external 24 VDC power supply. Software version 9.2SP2 or higher is mandatory. For operation with previous versions, please refer to product update information 2PAA102068R0018. Use with Terminal Base TB 711F and Battery TA521.
Product Type	Central_Unit

Ordering

Country of Origin	Germany (DE) United States (US)
HS Code	853890-- Parts suitable for use solely or principally with the apparatus of heading 85.35, 85.36 or 85.37.- Other
Customs Tariff Number	85389091

Dimensions

Product Net Height	76 mm
Product Net Width	67.5 mm

Product Net Weight	0.15 kg
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Environmental

RoHS Status	Not RoHs Compliant
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
Number of Batteries	0

Categories

Control Systems → Freelance → Controllers → AC 800F Central Units → PM 803F