AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

PM861AK01 3BSE018157R1

AC 800M Processor Unit

TYPE	REFERENCE	FAMILY	SCOPE
AC 800M Processor Unit	**PM861AK01**	**AC 800M**	**Exact-model data**

ABB PM861AK01 3BSE018157R1 is an AC 800M processor unit built around the PM861A CPU and its TP830 baseplate. The processor combines a 48 MHz MPC860, 16 MB of SDRAM and battery-backed memory with communication interfaces for the documented controller arrangement.

01 DOCUMENTED PRODUCT REFERENCE

Processor	MPC860, 48 MHz
SDRAM capacity	16 MB
Firmware flash PROM	2 MB
Supply voltage	24 V DC nominal; 19.2-30 V DC
Processor current consumption	250 mA typical; 430 mA maximum, excluding ModuleBus and CEX-Bus supply
Power dissipation	6 W typical; 11 W including full ModuleBus and CEX-Bus supply
Internal power reservoir	5 ms
Ethernet interface	2 ports; IEEE 802.3, 10BaseT

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Serial interfaces	2 x RS-232C: COM3 with modem support; COM4 for service tool
Electrical ModuleBus capacity	12 S800 I/O units in single-CPU configuration
Protection rating	IP20, EN 60529 / IEC 529
Memory backup time	Internal battery: minimum 118 h; SB821: minimum 12 weeks; fully charged SB822: minimum 285 h
CompactFlash interface	Application loading and cold-retain data storage
Redundant CPU switchover	Less than 10 ms
Power input connector	4-pin screw connector: L+, L-, SA, SB

03 APPLICATION AND CONFIGURATION

- PM861AK01 and 3BSE018157R1 identity
- Single or redundant CPU arrangement
- TP830 connections and bus terminations
- Battery condition and retained application
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB AC 800M Controller Hardware, 3BSE036351-600 A

ABB AC 800M Controller Hardware, 3BSE036351-600 A, pp. 261-264. Exact package identity: ABB 3BSE063691, pp. 3-4.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

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