

AC 800M CONTROLLER SYSTEMS

# Product Data Sheet

## PM864AK02 3BSE018164R1

redundant processor unit kit

|                                                 |                                             |                              |                          |
|-------------------------------------------------|---------------------------------------------|------------------------------|--------------------------|
| FUNCTION<br><b>redundant processor unit kit</b> | FAMILY<br><b>AC 800M controller systems</b> | ORIGIN<br><b>Switzerland</b> | WEIGHT<br><b>2.40 kg</b> |
|-------------------------------------------------|---------------------------------------------|------------------------------|--------------------------|

ABB Advant AC800M PM864AK02 3BSE018164R1 is a redundant processor unit kit for the AC 800M controller systems. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                     |                             |
|---------------------|-----------------------------|
| Kit Contents        | 2 × PM864AK01               |
| Processor Type      | MPC862                      |
| Clock Frequency     | 96 MHz                      |
| Installed RAM       | 32 MB                       |
| Application RAM     | 23.522 MB                   |
| Firmware Flash      | 2 MB                        |
| CPU Redundancy      | Supported                   |
| Switchover Time     | 10 ms maximum               |
| Boolean Performance | 0.15 ms per 1000 operations |
| Supply Voltage      | 24 V DC, 19.2 to 30 V       |

|                       |                                |
|-----------------------|--------------------------------|
| Supply Current        | 287 mA typical, 487 mA maximum |
| Power Dissipation     | 6.9 W typical                  |
| Ethernet Channels     | 2                              |
| Serial Interfaces     | 2 × RS-232C                    |
| Operating Temperature | +5 to +55 °C                   |

- Boiler and turbine unit control: Redundant Controller Systems
- Compressor station process control: Process Automation Systems
- Stock preparation and paper machines: Mill Control Systems

Match PM864AK02 3BSE018164R1 to the installed AC 800M controller systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB official manufacturer documentation](#)

<https://library.e.abb.com/public/e1198d027b1647c286665cd4a3983b31/3BSE063691%20en%20P%20AC%20800M%20Controller%20and%20Communication%20interfaces%20-%20Outline%20of%20all%20modules.pdf>

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