

ABB ADVANT AC800M

Product Data Sheet

3BSE050201R1 PM866-2

redundant processor unit

FUNCTION redundant processor unit	FAMILY ABB Advant AC800M	ORIGIN Switzerland	WEIGHT 1.04 kg
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ABB Advant AC800M 3BSE050201R1 PM866-2 is a redundant processor unit for the ABB Advant AC800M. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Operating Temperature	0°C to +60°C
Storage Temperature	-40°C to +85°C
Humidity	5-95% non-condensing
Input Voltage	24V DC (±10%)
Power Consumption	20W (typical)
Processor	Dual-core 1.2 GHz PowerPC
RAM	1GB DDR3
Ethernet	2x 10/100/1000 Mbps (RJ45)
Execution Speed	0.1ms Boolean, 1ms PID loop
Exact Article Code	3BSE050201R1 PM866-2

Board Designation	PM866-2
Product Family	ABB Advant AC800M
Component Type	Redundant Processor Unit
Assembly Class	ABB PCB assembly
System Interface	ABB Advant AC800M control interface

- Monitor stock preparation during grade change: As part of the pulp chests and refiners, 3BSE050201R1 PM866-2 performs its assigned control role as a redundant processor unit. During grade change, the system uses this function to coordinate flow, consistency and equipment permissives, helping it deliver stable stock to the machine.
- Integrate pipeline pumping with Redundant Processor: During operation of the mainline pumps and block valves, 3BSE050201R1 PM866-2 supports the configured automation role as a redundant processor unit. During equipment switchover, the system uses this function to align pump duty with pressure and flow demand, helping it maintain controlled movement through the line.
- Supervise turbine auxiliary control with Redundant Processor: Inside the lube-oil pumps and turning gear, 3BSE050201R1 PM866-2 handles its designated signal or control duty as a redundant processor unit. During unit run-up, the system uses this function to coordinate permissives and auxiliary equipment states, helping it support a stable transition to rated operation.

Match 3BSE050201R1 PM866-2 to the installed ABB Advant AC800M, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB Advant AC800M documentation](#)

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