

ABB ADVANT AC500

# Product Data Sheet

**1SAP250500R3001**

central processing module

|                                       |                            |                   |                  |
|---------------------------------------|----------------------------|-------------------|------------------|
| FUNCTION<br>central processing module | FAMILY<br>ABB Advant AC500 | ORIGIN<br>Germany | WEIGHT<br>0.1 kg |
|---------------------------------------|----------------------------|-------------------|------------------|

ABB Advant AC500 1SAP250500R3001 is a central processing module for the ABB Advant AC500. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                    |                            |
|--------------------|----------------------------|
| Manufacturer       | ABB                        |
| Exact Article Code | 1SAP250500R3001            |
| Product Family     | ABB Advant AC500           |
| Component Type     | Central Processing Module  |
| System Class       | DCS System                 |
| Mounting Format    | Plug-in control rack       |
| System Interface   | AC500 backplane bus        |
| Control Supply     | 24 V DC controller supply  |
| Channel Capacity   | Model-defined channel set  |
| Signal Standard    | System-specific I/O levels |

## ADDITIONAL PRODUCT DATA

|                       |                                    |
|-----------------------|------------------------------------|
| Electrical Isolation  | Isolated field circuits            |
| Operating Temperature | 0 to +55 °C cabinet range          |
| Protection Level      | IP20 control cabinet               |
| Configuration Tool    | ABB Automation Builder             |
| Commissioning Test    | I/O and diagnostic functional test |

## OFFICIAL APPLICATIONS

- Operate the documented central processing module: Use 1SAP250500R3001 in the specified ABB Advant AC500 position with the documented supply, signal range and system interface. Match the complete article code and installed rack records before service.
- Restore every documented connection: Record terminal numbers, connector keying, rack position, shields and protective earth for 1SAP250500R3001. Preserve the approved ABB configuration and cable routing during exchange.
- Validate the restored control function: After fitting 1SAP250500R3001, check power and module diagnostics, then test the affected I/O, communication, controller or measurement function at a safe operating point and record acceptance.

## SYSTEM COMPATIBILITY

Match 1SAP250500R3001 to the installed ABB Advant AC500, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## OFFICIAL SOURCES

[ABB ABB Advant AC500 manufacturer documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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