

ABB ADVANT AC500

Product Data Sheet

1SAP180100R0001 MC502 B0

controller memory module

FUNCTION controller memory module	FAMILY ABB Advant AC500	ORIGIN Germany	WEIGHT 0.8 kg
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ABB Advant AC500 1SAP180100R0001 MC502 B0 is a controller memory 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	1SAP180100R0001 MC502 B0
Product Family	ABB Advant AC500
Component Type	Controller Memory 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 controller memory module: Use 1SAP180100R0001 MC502 B0 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 1SAP180100R0001 MC502 B0. Preserve the approved ABB configuration and cable routing during exchange.
- Validate the restored control function: After fitting 1SAP180100R0001 MC502 B0, 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 1SAP180100R0001 MC502 B0 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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