

ABB ADVANT AC500

Product Data Sheet

1SAP270000R0001

digital input module

FUNCTION digital input module	FAMILY ABB Advant AC500	ORIGIN Germany	WEIGHT 0.4 kg
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ABB Advant AC500 1SAP270000R0001 is a digital input 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	1SAP270000R0001
Product Family	ABB Advant AC500
Component Type	Digital Input 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	24 V DC digital inputs

ADDITIONAL PRODUCT DATA

Electrical Isolation	Isolated input channels
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 digital input module: Use 1SAP270000R0001 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 1SAP270000R0001. Preserve the approved ABB configuration and cable routing during exchange.
- Validate the restored control function: After fitting 1SAP270000R0001, 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 1SAP270000R0001 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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