

ABB ADVANT CONTROLLER 31

Product Data Sheet

07AI91 GJR5251600R0278

analog input module

FUNCTION analog input module	FAMILY ABB Advant Controller 31	ORIGIN Germany	WEIGHT 0.7 kg
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ABB Advant Controller 31 07AI91 GJR5251600R0278 is a analog input module for the ABB Advant Controller 31. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Manufacturer	ABB
Exact Article Code	07AI91 GJR5251600R0278
Product Family	ABB Advant Controller 31
Component Type	Analog Input Module
System Class	DCS System
Mounting Format	Plug-in control rack
System Interface	CS31 system bus
Control Supply	24 V DC control class
Channel Capacity	8 analog channels
Signal Standard	Voltage / current inputs

ADDITIONAL PRODUCT DATA

Electrical Isolation	Isolated field circuits
Operating Temperature	0 to +55 °C cabinet range
Protection Level	IP20 control cabinet
Configuration Tool	AC31 engineering software
Commissioning Test	I/O and diagnostic functional test

OFFICIAL APPLICATIONS

- Operate the documented analog input module: Use 07AI91 GJR5251600R0278 in the specified ABB Advant Controller 31 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 07AI91 GJR5251600R0278. Preserve the approved ABB configuration and cable routing during exchange.
- Validate the restored control function: After fitting 07AI91 GJR5251600R0278, 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 07AI91 GJR5251600R0278 to the installed ABB Advant Controller 31, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB Advant Controller 31 manufacturer documentation](#)

<https://library.e.abb.com/public/8242193bfc8ef0d3c1257c2100539c14/2CDC120026M0202.pdf>

AMIKON PRODUCT SUPPORT

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