

ABB ADVANT CONTROLLER 31

Product Data Sheet

07KT97 GJR5253000R4270

central processing unit

FUNCTION central processing unit	FAMILY ABB Advant Controller 31	ORIGIN Germany	WEIGHT 0.8 kg
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ABB Advant Controller 31 07KT97 GJR5253000R4270 is a central processing unit 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	07KT97 GJR5253000R4270
Product Family	ABB Advant Controller 31
Component Type	Central Processing Unit
System Class	DCS System
Mounting Format	Plug-in control rack
System Interface	CS31 system bus
Control Supply	24 V DC / 0.35 A max
Channel Capacity	24 DI / 16 DO / 8 DIO
Signal Standard	8 AI / 4 AO integrated

ADDITIONAL PRODUCT DATA

Electrical Isolation	Isolated field circuits
Operating Temperature	0 to +55 °C cabinet range
Protection Level	IP20 control cabinet
Configuration Tool	512 kB Flash / 2 MB RAM
Commissioning Test	I/O and diagnostic functional test

OFFICIAL APPLICATIONS

- Operate the documented central processing unit: Use 07KT97 GJR5253000R4270 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 07KT97 GJR5253000R4270. Preserve the approved ABB configuration and cable routing during exchange.
- Validate the restored control function: After fitting 07KT97 GJR5253000R4270, 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 07KT97 GJR5253000R4270 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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