

ABB ADVANT CONTROLLER 31

Product Data Sheet

07KT97

programmable controller unit

FUNCTION programmable controller unit	FAMILY ABB Advant Controller 31	ORIGIN Germany	WEIGHT 0.8 kg
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ABB Advant Controller 31 07KT97 is a programmable controller 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
Product Family	ABB Advant Controller 31
Component Type	Programmable Controller 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 programmable controller unit: Use 07KT97 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. Preserve the approved ABB configuration and cable routing during exchange.
- Validate the restored control function: After fitting 07KT97, 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 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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