

ABB INDUSTRIAL CONTROL SYSTEMS

Product Data Sheet

1KHL016009R0001 G4AK

programmable controller unit

FUNCTION programmable controller unit	FAMILY ABB industrial control systems	ORIGIN Germany	WEIGHT 0.4 kg
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ABB 1KHL016009R0001 G4AK is a programmable controller unit for the ABB industrial control systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Manufacturer	ABB
Exact Article Code	1KHL016009R0001 G4AK
Product Family	ABB industrial control systems
Component Type	Programmable Controller Unit
System Class	DCS System
Mounting Format	Plug-in control rack
System Interface	Manufacturer backplane bus
Control Supply	24 V DC control class
Channel Capacity	Model-defined channel set
Signal Standard	System-specific I/O levels

ADDITIONAL PRODUCT DATA

Electrical Isolation	Isolated field circuits
Operating Temperature	-25°C to +55°C (60°C with derating)
Protection Level	IP20 installed equipment
Configuration Tool	Manufacturer engineering software
Commissioning Test	I/O and diagnostic functional test

OFFICIAL APPLICATIONS

- Operate the documented programmable controller unit: Use 1KHL016009R0001 G4AK in the specified ABB industrial control systems 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 1KHL016009R0001 G4AK. Preserve the approved ABB configuration and cable routing during exchange.
- Validate the restored control function: After fitting 1KHL016009R0001 G4AK, 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 1KHL016009R0001 G4AK to the installed ABB industrial control systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB industrial control systems manufacturer documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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