

ABB ROBOTS

Product Data Sheet

3HAC021127-004

industrial control board

FUNCTION industrial control board	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.40 kg
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ABB Robots 3HAC021127-004 is a industrial control board for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	3HAC021127-004
Product Family	ABB Robots
Component Type	Industrial Control Board
Assembly Class	ABB PCB assembly
System Interface	ABB Robots control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors
Installation Format	Plug-in control board
Signal Domain	Control and diagnostic signals
Service Position	Documented rack slot

ADDITIONAL PRODUCT DATA

Configuration Basis	Installed ABB hardware list
Replacement Basis	Exact article and board revision
Protective Check	ESD and protective-earth control
Commissioning Check	Power-up diagnostics and function test
Maintenance Identity	3HAC021127-004 controlled service identity

OFFICIAL APPLICATIONS

- Maintain clean-in-place transfer with Industrial Control: At the control layer of the CIP supply and return headers, 3HAC021127-004 provides its specified system function as a industrial control board. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.
- Govern pallet transfer with Industrial Control: At the control layer of the turntables, lifts and shuttle cars, 3HAC021127-004 operates in its approved product-family role as a industrial control board. During blocked-zone recovery, the system uses this function to re-establish the transfer path after the obstruction clears, helping it resume flow without losing tracking data.
- Synchronize body transfer with Industrial Control: As part of the skid conveyors and lift stations, 3HAC021127-004 performs its assigned control role as a industrial control board. During model change, the system uses this function to coordinate motion requests and station interlocks, helping it keep the assembly takt moving.

SYSTEM COMPATIBILITY

Match 3HAC021127-004 to the installed ABB Robots, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB Robots documentation](#)

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

AMIKON PRODUCT SUPPORT

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