

ABB ROBOTS

Product Data Sheet

3HAC044168-001/07

industrial control board

FUNCTION industrial control board	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.30 kg
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ABB Robots 3HAC044168-001/07 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	3HAC044168-001/07
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	3HAC044168-001/07 controlled service identity

OFFICIAL APPLICATIONS

- Route conveyor routing with Industrial Control: Inside the zone conveyors and merge points, 3HAC044168-001/07 provides its specified system function as a industrial control board. During route change, the system uses this function to coordinate destination data with equipment permissives, helping it move the item to the assigned process.
- Sequence body transfer with Industrial Control: As part of the skid conveyors and lift stations, 3HAC044168-001/07 provides its specified system function 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.
- Synchronize aeration control with Industrial Control: Within the blowers and dissolved-oxygen loops, 3HAC044168-001/07 supports the configured automation role as a industrial control board. During changing oxygen demand, the system uses this function to adjust air delivery from process feedback, helping it stabilize treatment performance.

SYSTEM COMPATIBILITY

Match 3HAC044168-001/07 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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