

ABB ROBOTS

Product Data Sheet

3HAC14549-3

industrial control board

FUNCTION industrial control board	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.40 kg
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ABB Robots 3HAC14549-3 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	3HAC14549-3
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	3HAC14549-3 controlled service identity

OFFICIAL APPLICATIONS

- Control conveyor routing with Industrial Control: For the coordinated operation of the zone conveyors and merge points, 3HAC14549-3 supports the configured automation role 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.
- Align paint-shop conveying with Industrial Control: For the coordinated operation of the carrier tracking and booth interfaces, 3HAC14549-3 provides its specified system function as a industrial control board. During carrier accumulation, the system uses this function to route carriers by production status, helping it preserve body order through the process.
- Stabilize press sequencing with Industrial Control: Inside the feed systems, dies and safety interfaces, 3HAC14549-3 serves its documented function as a industrial control board. During part change, the system uses this function to apply the selected product recipe to the sequence, helping it produce the intended part without skipping an interlock.

SYSTEM COMPATIBILITY

Match 3HAC14549-3 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>

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