

ABB ROBOTS

Product Data Sheet

3HAC029034-004

rotary ac motor with pinion

FUNCTION rotary ac motor with pinion	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 7.68 kg
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ABB Robots 3HAC029034-004 is a rotary ac motor with pinion for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Product Portfolio	ABB Robotics
Component Type	Rotary AC motor with pinion
Exact Article Code	3HAC029034-004
Product Family	ABB Robots
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

ADDITIONAL PRODUCT DATA

Service Position	Documented rack slot
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

OFFICIAL APPLICATIONS

- Coordinate aseptic filling with Rotary Ac process control: In the automation chain for the fillers and container conveyors, 3HAC029034-004 performs its assigned control role as a rotary ac motor with pinion. During line-speed ramp, the system uses this function to keep container flow synchronized with filling demand, helping it move accepted containers toward inspection.
- Monitor machine-tool automation with Rotary Ac: Across the spindles, axes and tool changers, 3HAC029034-004 serves its documented function as a rotary ac motor with pinion. During cycle start, the system uses this function to coordinate the equipment states required by the active cycle, helping it complete the machining step with traceable status.
- Monitor powertrain assembly with Rotary Ac process control: At the control layer of the machining cells and pallet systems, 3HAC029034-004 operates in its approved product-family role as a rotary ac motor with pinion. During quality-hold release, the system uses this function to hand off part identity with the machine sequence, helping it retain traceability at the next operation.

SYSTEM COMPATIBILITY

Match 3HAC029034-004 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>

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