

ABB ROBOTS

Product Data Sheet

3HAC039109-002

industrial gearbox

FUNCTION industrial gearbox	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.19 kg
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ABB Robots 3HAC039109-002 is a industrial gearbox for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	3HAC039109-002
Product Family	ABB Robots
Component Type	Industrial Gearbox
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

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	3HAC039109-002 controlled service identity

- Maintain turbine auxiliary control with Industrial Arbox: As part of the lube-oil pumps and turning gear, 3HAC039109-002 serves its documented function as a industrial arbox. During unit run-up, the system uses this function to coordinate permissives and auxiliary equipment states, helping it support a stable transition to rated operation.
- Protect body transfer with Industrial Arbox process control: In the automation chain for the skid conveyors and lift stations, 3HAC039109-002 provides its specified system function as a industrial arbox. During model change, the system uses this function to coordinate motion requests and station interlocks, helping it keep the assembly takt moving.
- Support recipe mixing with Industrial Arbox process control: Across the mixers and ingredient skids, 3HAC039109-002 operates in its approved product-family role as a industrial arbox. During recipe changeover, the system uses this function to sequence material transfers and equipment permissives, helping it preserve the verified batch state.

Match 3HAC039109-002 to the installed ABB Robots, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB Robots documentation](#)

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

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