

ABB ROBOTS

Product Data Sheet

3HAC043134-003

industrial reduction gear

FUNCTION industrial reduction gear	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 13.70 kg
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ABB Robots 3HAC043134-003 is a industrial reduction gear for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Robot Axis	Axis 3
Rated Torque	1,225 Nm
Output Shaft Type	Solid output shaft component set
Outer Diameter	221 mm
Backlash	Near-zero
Gear Model	RV-125N-145.61
Exact Article Code	3HAC043134-003
Product Family	ABB Robots
Component Type	Industrial Reduction Gear
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

- Coordinate clean-in-place transfer with Industrial Reduction: Inside the CIP supply and return headers, 3HAC043134-003 operates in its approved product-family role as a industrial reduction ar. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.
- Integrate robotic joining with Industrial Reduction: In the automation chain for the robots, fixtures and clamp groups, 3HAC043134-003 operates in its approved product-family role as a industrial reduction ar. During station restart, the system uses this function to confirm tooling readiness before the cycle starts, helping it prevent an incomplete joining cycle.
- Observe boiler feedwater during protective transfer: Across the feed pumps and drum-level loops, 3HAC043134-003 supports the configured automation role as a industrial reduction ar. During protective transfer, the system uses this function to balance flow demand with process inventory, helping it preserve the steam-water balance.

Match 3HAC043134-003 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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