

ABB ROBOTS

Product Data Sheet

3HAC058991-003

motor including pinion

FUNCTION motor including pinion	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.80 kg
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ABB Robots 3HAC058991-003 is a motor including pinion for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Product Model	3HAC058991-003
ABB Product Category	Parts
ABB Catalog Description	Motor incl pinion
Component Type	Motor assembly
Included Mechanical Element	Pinion
Product Level	Replacement part
Product Portfolio	ABB Robotics
Official Product Record	ABB Global product search
Controlled Documentation	ABB Robotics One
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

- Regulate order sorting with Motor Including process control: As part of the scanners, diverters and destination lanes, 3HAC058991-003 serves its documented function as a motor including pinion. During priority order, the system uses this function to apply the current order priority to the routing decision, helping it complete the order path in the intended sequence.
- Verify robotic handling with Motor Including process control: Across the robots, grippers and transfer fixtures, 3HAC058991-003 provides its specified system function as a motor including pinion. During fault recovery, the system uses this function to restore the cell from a defined intermediate state, helping it resume material flow without losing part identity.
- Coordinate recipe mixing with Motor Including: Inside the mixers and ingredient skids, 3HAC058991-003 operates in its approved product-family role as a motor including pinion. During recipe changeover, the system uses this function to sequence material transfers and equipment permissives, helping it preserve the verified batch state.

Match 3HAC058991-003 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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