

ABB ROBOTS

Product Data Sheet

3HAC025338-006

main servo drive unit

FUNCTION main servo drive unit	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 10.78 kg
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ABB Robots 3HAC025338-006 is a main servo drive unit for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	3HAC025338-006
Product Family	ABB Robots
Component Type	Main Servo Drive Unit
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	3HAC025338-006 controlled service identity

OFFICIAL APPLICATIONS

- Support palletizing with Main Servo process control: At the control layer of the case conveyors and robot cells, 3HAC025338-006 operates in its approved product-family role as a main servo drive unit. During product-gap recovery, the system uses this function to restore coordinated flow after a controlled stop, helping it return the line to stable throughput.
- Maintain laser processing during high-speed cycle: As part of the scan axes and beam-positioning stages, 3HAC025338-006 serves its documented function as a main servo drive unit. During high-speed cycle, the system uses this function to sequence rapid moves around the active process window, helping it maintain throughput without violating settling time.
- Supervise paper-machine draws with Main Servo: In the automation chain for the press rolls and sectional drives, 3HAC025338-006 provides its specified system function as a main servo drive unit. During sheet threading, the system uses this function to maintain speed ratios between machine sections, helping it protect sheet tension during acceleration.

SYSTEM COMPATIBILITY

Match 3HAC025338-006 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>

AMIKON PRODUCT SUPPORT

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