

ABB ROBOTS

Product Data Sheet

3HAC025338-006/01A

main servo drive unit

FUNCTION main servo drive unit	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 10.78 kg
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ABB Robots 3HAC025338-006/01A is a main servo drive unit for the ABB Robots. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Exact Article Code	3HAC025338-006/01A
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

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	3HAC025338-006/01A controlled service identity

- Govern reel and winder operation with Main Servo: At the control layer of the reels, slitters and winding drums, 3HAC025338-006/01A handles its designated signal or control duty as a main servo drive unit. During roll change, the system uses this function to synchronize winding torque with roll diameter, helping it build a roll with controlled tension.
- Balance carton forming with Main Servo process control: During operation of the blank feeders and folding stations, 3HAC025338-006/01A serves its documented function as a main servo drive unit. During registration correction, the system uses this function to apply the selected format to the machine sequence, helping it produce the intended package geometry.
- Balance test-stand control with Main Servo process control: Within the load actuators and measurement channels, 3HAC025338-006/01A operates in its approved product-family role as a main servo drive unit. During test-point transition, the system uses this function to move the test article through commanded operating points, helping it capture comparable results at each condition.

Match 3HAC025338-006/01A 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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