

ABB ROBOTS

Product Data Sheet

3HAC16035-1/03

brake release board

FUNCTION brake release board	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.14 kg
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ABB Robots 3HAC16035-1/03 is a brake release board for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	3HAC16035-1/03
Product Family	ABB Robots
Component Type	Brake Release Board
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	3HAC16035-1/03 controlled service identity

- Integrate powertrain assembly with Brake Release: Across the machining cells and pallet systems, 3HAC16035-1/03 provides its specified system function as a brake release board. During quality-hold release, the system uses this function to hand off part identity with the machine sequence, helping it retain traceability at the next operation.
- Synchronize generator excitation with Brake Release: Inside the field circuits and voltage regulation, 3HAC16035-1/03 performs its assigned control role as a brake release board. During load change, the system uses this function to adjust the assigned regulation path from operating feedback, helping it hold the electrical variable at its commanded target.
- Coordinate press sequencing with Brake Release: For the coordinated operation of the feed systems, dies and safety interfaces, 3HAC16035-1/03 performs its assigned control role as a brake release board. During part change, the system uses this function to apply the selected product recipe to the sequence, helping it produce the intended part without skipping an interlock.

Match 3HAC16035-1/03 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](#)

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