

ABB ROBOTS

Product Data Sheet

3HAC16035-1

brake release board

FUNCTION brake release board	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 0.14 kg
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ABB Robots 3HAC16035-1 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
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 controlled service identity

- **Verify cooling-water circulation with Brake Release:** During operation of the circulating pumps and heat exchangers, 3HAC16035-1 operates in its approved product-family role as a brake release board. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.
- **Stabilize conveyor routing with Brake Release:** In the automation chain for the zone conveyors and merge points, 3HAC16035-1 handles its designated signal or control duty as a brake release board. During route change, the system uses this function to coordinate destination data with equipment permissives, helping it move the item to the assigned process.
- **Monitor raw-water pumping with Brake Release process control:** For the coordinated operation of the intake pumps and wet wells, 3HAC16035-1 serves its documented function as a brake release board. During peak-flow demand, the system uses this function to coordinate pump duty and level response, helping it maintain hydraulic continuity.

Match 3HAC16035-1 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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