

ABB ROBOTS

Product Data Sheet

3HAC037635-002

abb axis-6 robot gearbox

FUNCTION	FAMILY	ORIGIN	WEIGHT
abb axis-6 robot gearbox	ABB Robots	Sweden	0.80 kg

ABB Robots 3HAC037635-002 is a abb axis-6 robot gearbox for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Type	Axis-6 gearbox
Robot Portfolio	ABB IRB large robots
Wrist Type	Type 2 where documented
Protection Variant	Standard / Foundry
Official Manual Families	IRB 6640, IRB 6650S, IRB 6660
Selection Basis	Robot model, variant and installed wrist
Exact Article Code	3HAC037635-002
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
Signal Domain	Control and diagnostic signals
Service Position	Documented rack slot

- Govern generator excitation with Axis 6 process control: Within the field circuits and voltage regulation, 3HAC037635-002 handles its designated signal or control duty as a axis-6 robot arbox. 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.
- Support ingredient dosing with Axis 6 process control: At the control layer of the batch vessels and dosing valves, 3HAC037635-002 serves its documented function as a axis-6 robot arbox. During batch release, the system uses this function to align measured quantities with the active batch step, helping it hold dosing accuracy through the cycle.
- Integrate automated storage with Axis 6 process control: Across the stacker cranes and storage positions, 3HAC037635-002 handles its designated signal or control duty as a axis-6 robot arbox. During buffer release, the system uses this function to release material according to downstream availability, helping it prevent overfilling the next buffer.

Match 3HAC037635-002 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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