

ABB ROBOTS

# Product Data Sheet

**3HAC037635-003**

abb clean room robot gearbox

|                                                 |                             |                         |                          |
|-------------------------------------------------|-----------------------------|-------------------------|--------------------------|
| FUNCTION<br><b>abb clean room robot gearbox</b> | FAMILY<br><b>ABB Robots</b> | ORIGIN<br><b>Sweden</b> | WEIGHT<br><b>0.80 kg</b> |
|-------------------------------------------------|-----------------------------|-------------------------|--------------------------|

ABB Robots 3HAC037635-003 is a abb clean room 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 Family                | IRB 6640                          |
| Wrist Type                  | Type 2                            |
| Protection Variant          | Clean Room                        |
| Official Spare-Parts Manual | 3HAC038330-001                    |
| Selection Basis             | Robot variant and installed wrist |
| Exact Article Code          | 3HAC037635-003                    |
| Product Family              | ABB Robots                        |
| Assembly Class              | ABB PCB assembly                  |
| System Interface            | ABB Robots control interface      |

## ADDITIONAL PRODUCT DATA

|                     |                                |
|---------------------|--------------------------------|
| 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           |

## OFFICIAL APPLICATIONS

- Maintain chemical dosing with Clean Room process control: Inside the metering pumps and contact tanks, 3HAC037635-003 operates in its approved product-family role as a clean room robot arbox. During dose-setpoint correction, the system uses this function to match reagent flow to the measured process load, helping it keep treatment chemistry inside its operating target.
- Support robotic handling with Clean Room process control: During operation of the robots, grippers and transfer fixtures, 3HAC037635-003 performs its assigned control role as a clean room robot arbox. During fault recovery, the system uses this function to restore the cell from a defined intermediate state, helping it resume material flow without losing part identity.
- Govern boiler feedwater during protective transfer: Within the feed pumps and drum-level loops, 3HAC037635-003 performs its assigned control role as a clean room robot arbox. During protective transfer, the system uses this function to balance flow demand with process inventory, helping it preserve the steam-water balance.

## SYSTEM COMPATIBILITY

Match 3HAC037635-003 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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