

ABB ROBOTS

Product Data Sheet

3HAC047577-002

type d wrist axis spare

FUNCTION	FAMILY	ORIGIN	WEIGHT
type d wrist axis spare	ABB Robots	Sweden	7.68 kg

ABB Robots 3HAC047577-002 is a type d wrist axis spare for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Robot Family	IRB 4600
Component Type	Type D spare motor
Documented Axis Positions	Axes 4, 5 and 6
Documented Robot Variant	IRB 4600-20/2.55
Compatibility Rule	Replace only with the same motor type
Foundry Prime Applicability	Not applicable
Exact Article Code	3HAC047577-002
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

- Support powertrain assembly with Type D process control: Inside the machining cells and pallet systems, 3HAC047577-002 operates in its approved product-family role as a type d wrist axis spare. 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.
- Maintain press sequencing with Type D process control: Within the feed systems, dies and safety interfaces, 3HAC047577-002 supports the configured automation role as a type d wrist axis spare. 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.
- Route recipe mixing with Type D process control: For the coordinated operation of the mixers and ingredient skids, 3HAC047577-002 supports the configured automation role as a type d wrist axis spare. During recipe changeover, the system uses this function to sequence material transfers and equipment permissives, helping it preserve the verified batch state.

SYSTEM COMPATIBILITY

Match 3HAC047577-002 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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