

ABB ROBOTS

Product Data Sheet

3HAC030211-001

wrist motor unit

FUNCTION wrist motor unit	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 7.68 kg
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ABB Robots 3HAC030211-001 is a wrist motor unit 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	Wrist motor unit
Documented Robot Variant	IRB 4600-20/2.50
Manual Section	Rebuilding parts - Motors, wrist unit
Documented Use	Wrist variant conversion reference
Selection Basis	Installed wrist and controlled robot BOM
Exact Article Code	3HAC030211-001
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

- Balance order sorting with Wrist Motor process control: During operation of the scanners, diverters and destination lanes, 3HAC030211-001 performs its assigned control role as a wrist motor unit. During priority order, the system uses this function to apply the current order priority to the routing decision, helping it complete the order path in the intended sequence.
- Synchronize test-stand control with Wrist Motor: At the control layer of the load actuators and measurement channels, 3HAC030211-001 supports the configured automation role as a wrist motor unit. During test-point transition, the system uses this function to move the test article through commanded operating points, helping it capture comparable results at each condition.
- Supervise recipe mixing with Wrist Motor process control: At the control layer of the mixers and ingredient skids, 3HAC030211-001 supports the configured automation role as a wrist motor unit. 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 3HAC030211-001 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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