

ABB ROBOTS

Product Data Sheet

3HNA006145-001/02

robot manipulator interface board

FUNCTION robot manipulator interface board	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 1.32 kg
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ABB Robots 3HNA006145-001/02 is a robot manipulator interface board for the ABB Robots. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Exact Article Code	3HNA006145-001/02
Product Family	ABB Robots
Component Type	Robot Manipulator Interface 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	3HNA006145-001/02 controlled service identity

- Integrate ingredient dosing with Robot Manipulator: During operation of the batch vessels and dosing valves, 3HNA006145-001/02 supports the configured automation role as a robot manipulator interface board. 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.
- Track body transfer with Robot Manipulator process control: Within the skid conveyors and lift stations, 3HNA006145-001/02 performs its assigned control role as a robot manipulator interface board. During model change, the system uses this function to coordinate motion requests and station interlocks, helping it keep the assembly takt moving.
- Route chemical dosing with Robot Manipulator process control: In the automation chain for the metering pumps and contact tanks, 3HNA006145-001/02 performs its assigned control role as a robot manipulator interface board. 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.

Match 3HNA006145-001/02 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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