

ABB ROBOTS

Product Data Sheet

3HAC058040-001

manipulator harness, axis 1-6

FUNCTION manipulator harness, axis 1-6	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 13.00 kg
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ABB Robots 3HAC058040-001 is a manipulator harness, axis 1-6 for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Current Rating	10 A
Voltage Rating	240 V AC
Power Rating	500 W @ 220 V
Operating Temperature Range	-20 °C to +50 °C
Exact Article Code	3HAC058040-001
Product Family	ABB Robots
Component Type	Manipulator Harness, Axis 1-6
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

- Protect chemical dosing with Manipulator Harness: At the control layer of the metering pumps and contact tanks, 3HAC058040-001 serves its documented function as a manipulator harness, axis 1-6. 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.
- Synchronize turbine auxiliary control with Manipulator Harness: Across the lube-oil pumps and turning gear, 3HAC058040-001 performs its assigned control role as a manipulator harness, axis 1-6. During unit run-up, the system uses this function to coordinate permissives and auxiliary equipment states, helping it support a stable transition to rated operation.
- Govern order sorting with Manipulator Harness: For the coordinated operation of the scanners, diverters and destination lanes, 3HAC058040-001 performs its assigned control role as a manipulator harness, axis 1-6. 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.

Match 3HAC058040-001 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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