

ABB ROBOTS

Product Data Sheet

3HAC057980-006

six-axis motor

FUNCTION six-axis motor	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 1.55 kg
-----------------------------------	-----------------------------	-------------------------	--------------------------

ABB Robots 3HAC057980-006 is a six-axis motor for the ABB Robots. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Rated Power	7 kW
Rated Speed	3000 RPM (Variable Speed)
Rated Voltage	400 V (3-phase AC)
Rated Current	14 A
Rated Frequency	50 Hz
Torque Constant	20 Nm/A
Service Factor	1.5
Exact Article Code	3HAC057980-006
Product Family	ABB Robots
Component Type	Six-Axis Motor

ADDITIONAL PRODUCT DATA

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

OFFICIAL APPLICATIONS

- Sequence test-stand control with Six Axis process control: Inside the load actuators and measurement channels, 3HAC057980-006 handles its designated signal or control duty as a six-axis motor. 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.
- Maintain robotic joining with Six Axis process control: Within the robots, fixtures and clamp groups, 3HAC057980-006 performs its assigned control role as a six-axis motor. During station restart, the system uses this function to confirm tooling readiness before the cycle starts, helping it prevent an incomplete joining cycle.
- Maintain recipe mixing with Six Axis process control: Within the mixers and ingredient skids, 3HAC057980-006 handles its designated signal or control duty as a six-axis motor. 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 3HAC057980-006 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

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM