

ABB ROBOTS

Product Data Sheet

3HAC14549-3/07A

rectifier, r 3

FUNCTION rectifier, r 3	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 1.72 kg
-----------------------------------	-----------------------------	-------------------------	--------------------------

ABB Robots 3HAC14549-3/07A is a rectifier, r 3 for the ABB Robots. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Exact Article Code	3HAC14549-3/07A
Product Family	ABB Robots
Component Type	Rectifier, R 3
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

ADDITIONAL PRODUCT DATA

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	3HAC14549-3/07A controlled service identity

OFFICIAL APPLICATIONS

- Monitor powertrain assembly with Rectifier R process control: For the coordinated operation of the machining cells and pallet systems, 3HAC14549-3/07A performs its assigned control role as a rectifier, r 3. 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 conveyor routing with Rectifier R process control: In the automation chain for the zone conveyors and merge points, 3HAC14549-3/07A operates in its approved product-family role as a rectifier, r 3. During route change, the system uses this function to coordinate destination data with equipment permissives, helping it move the item to the assigned process.
- Support machine-tool automation with Rectifier R: Inside the spindles, axes and tool changers, 3HAC14549-3/07A handles its designated signal or control duty as a rectifier, r 3. During cycle start, the system uses this function to coordinate the equipment states required by the active cycle, helping it complete the machining step with traceable status.

SYSTEM COMPATIBILITY

Match 3HAC14549-3/07A 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