

DSQC609-3HAC14178-1

Robot Power Supply

It is the DSQC609 customer I/O power supply identified by ABB article 3HAC14178-1.

Manufacturer	ABB
Product family	IRC5 robot controller hardware
Complete model	DSQC609-3HAC14178-1
Source record	3HAC047136 / 3HAC073447

RELATED PRODUCTS ON APTER POWER

01	ABB NTAI04	OPEN
02	ABB NTAI06	OPEN
03	ABB INICT13	OPEN
04	ABB INICT12	OPEN
05	ABB INIIT12	OPEN
06	ABB INIIT13	OPEN

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Exact-model technical record

Complete model	DSQC609-3HAC14178-1	Installation location	Controller cabinet
Manufacturer	ABB	ESD handling	Grounded wrist strap required
Product family	IRC5 robot controller hardware	Mains isolation	Disconnect before replacement
ABB article	3HAC14178-1	Thermal rule	Use documented spacing when multiple units are
Module designation	DSQC609	Companion harness	Verify the controller-specific PSU
System role	Customer I/O power supply	Service boundary	Retain exact article and cabinet wiring identity
Controller family	IRC5 and documented OmniCore service		

OFFICIAL SOURCE COVERAGE

Source 1	ABB Product Manual IRC5 and OmniCore V250XT — Catalog or product identification, 3HAC047136 / 3HAC073447
Source 2	ABB Product Manual IRC5 and OmniCore V250XT — Technical specifications, 3HAC047136 / 3HAC073447
Source 3	ABB Product Manual IRC5 and OmniCore V250XT — Installation and application guidance, 3HAC047136 / 3HAC073447

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System role and applications

Robot customer I/O supply

Powers the assigned customer I/O circuits in the controller cabinet.

IRC5 cabinet service

Restores the documented DSQC609 supply position.

OmniCore spare replacement

Uses the exact article where the controller documentation lists DSQC609.

Controlled power renewal

Preserves harness, protection and thermal spacing.

ENGINEERING BOUNDARY

Verify DSQC609 and article 3HAC14178-1 together. Match the controller version, PSU harness, protection and cabinet cooling before replacement.

RELATED PRODUCTS ON APTER POWER

01	ABB NTAI04	OPEN
02	ABB NTAI06	OPEN
03	ABB INICT13	OPEN
04	ABB INICT12	OPEN

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Model-specific engineering questions

Q1. Which abb article identifies DSQC609-3HAC14178-1?

ABB article: 3HAC14178-1. Match the complete catalog identity before work.

Q2. What module designation must be matched for DSQC609-3HAC14178-1?

Module designation: DSQC609. Preserve the installed system assignment and connector mapping.

Q3. How is the system role defined on DSQC609-3HAC14178-1?

System role: Customer I/O power supply. Use the controlled project record during wiring checks.

Q4. Why does the controller family matter when replacing DSQC609-3HAC14178-1?

Controller family: IRC5 and documented OmniCore service arrangements. Do not substitute a neighboring family value.

SOURCE IDENTIFIER

3HAC047136 / 3HAC073447

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Acceptance reference and related products

Q5. Which installation location should commissioning records retain for DSQC609-3HAC14178-1?

Installation location: Controller cabinet. Record the as-found setting before removal.

Q6. What should technicians verify about the esd handling of DSQC609-3HAC14178-1?

ESD handling: Grounded wrist strap required. Confirm the value again during controlled startup.

RELATED PRODUCTS ON APTER POWER

01	ABB INIIT12	OPEN
02	ABB INIIT13	OPEN
03	ABB SPNPM22	OPEN
04	ABB SPNIS21	OPEN
05	ABB IMSET01	OPEN
06	ABB IMSED01	OPEN
07	ABB SPDSM04	OPEN
08	ABB IMDSM05	OPEN
09	ABB IMDSO04	OPEN
10	ABB IMDSI02	OPEN
11	ABB SPASO11	OPEN
12	ABB SPHSS13	OPEN
13	ABB IMASM03	OPEN
14	ABB IMASO11	OPEN

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