

APTER POWER

DSQC609-3HAC14178-1

Robot Power Supply

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

COMPLETE PRODUCT SNAPSHOT

MANUFACTURER	ABB
FAMILY	IRC5 robot controller hardware
MODEL	DSQC609-3HAC14178-1
DOCUMENT	3HAC047136 / 3HAC073447

RELATED PRODUCTS ON APTER POWER

01	ABB SPDSI22	OPEN
02	ABB SPASI23	OPEN
03	ABB IMASI23	OPEN
04	ABB PM566-TP-ETH-1SAP121500R0071	OPEN
05	ABB PM511V08-3BSE011180R1	OPEN
06	ABB NTHS03	OPEN

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WEBSITE www.apterpower.com



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Exact-model technical record

Complete model	DSQC609-3HAC14178-1
Manufacturer	ABB
Product family	IRC5 robot controller hardware
ABB article	3HAC14178-1
Module designation	DSQC609
System role	Customer I/O power supply
Controller family	IRC5 and documented OmniCore service arrangements

Installation location	Controller cabinet
ESD handling	Grounded wrist strap required
Mains isolation	Disconnect before replacement
Thermal rule	Use documented spacing when multiple units are installed
Companion harness	Verify the controller-specific PSU harness
Service boundary	Retain exact article and cabinet wiring identity

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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.

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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.

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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.

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01	ABB SPDSI22	OPEN
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