

DSQC609-3HAC14178-1

Robot Power Supply

INSTALLATION | CONNECTION | COMMISSIONING | ACCEPTANCE

CONTROLLED WORK SEQUENCE

1

VERIFY

2

ISOLATE

3

CONNECT

4

TEST

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

CONTROLLED PREREQUISITES

Exact identity

Verify DSQC609-3HAC14178-1 against the nameplate and controlled record.

Approved system

Confirm the documented IRC5 robot controller hardware system position and interfaces.

Evidence

Use 3HAC047136 / 3HAC073447 for the published technical and installation boundary.

RELATED PRODUCTS ON APTER POWER

01	ABB IMASI03	OPEN
02	ABB IMASI13	OPEN
03	ABB IMMFP02	OPEN
04	ABB P-HC-BRC-30000000	OPEN

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DSQC609-3HAC14178-1

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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Installation and connection sequence

STEP 1

Confirm the complete DSQC609-3HAC14178-1 marking and installed robot-power-supply position before work.

STEP 2

Place the connected process in the approved maintenance state.

STEP 3

Isolate every applicable power and field circuit before disconnection.

STEP 4

Record connector, terminal, address, slot and companion-hardware identities.

STEP 5

Use grounded ESD controls and protect keyed interfaces from damage.

STEP 6

Preserve documented polarity, shielding, grounding and cable routing.

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01	ABB IMASI03	OPEN
02	ABB IMASI13	OPEN
03	ABB IMMFP02	OPEN
04	ABB P-HC-BRC-30000000	OPEN

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Commissioning and acceptance

CHECK 1

Restore power in the approved sequence and review diagnostics.

CHECK 2

Prove the intended input, output or communications response and retain the acceptance record.

CHECK 3

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

CHECK 4

Retain the final DSQC609-3HAC14178-1 identity, wiring, diagnostic and acceptance record.

RELATED PRODUCTS ON APTER POWER

01	ABB NTAI05	OPEN
02	ABB SPBRC400-BRC400	OPEN
03	ABB SPBRC300-BRC300	OPEN
04	ABB IMHSS03	OPEN
05	ABB IMFEC12	OPEN
06	ABB SPFEC12	OPEN

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Acceptance reference and related products

Identity	Complete model DSQC609-3HAC14178-1 verified
Installed system	IRC5 robot controller hardware
Connections	Power, polarity, shielding, address or slot record completed
Controlled test	Diagnostics and intended process response accepted

RELATED PRODUCTS ON APTER POWER

01	ABB IMMFP12	OPEN
02	ABB IMDSI22	OPEN
03	ABB IMDSO14	OPEN
04	ABB SPDSO14	OPEN
05	ABB SAFT175RDO	OPEN
06	ABB 3HAC043134-003	OPEN
07	ABB SPTKM01	OPEN
08	ABB SPBRC410	OPEN

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