

ABB DSQC345B 3HAB8101-2

Technical Reference

ABB DSQC345B 3HAB8101-2 is identified in ABB product data as a Drive Unit DC1. It is service hardware for the documented DC1 drive position in an ABB robot-controller power architecture.

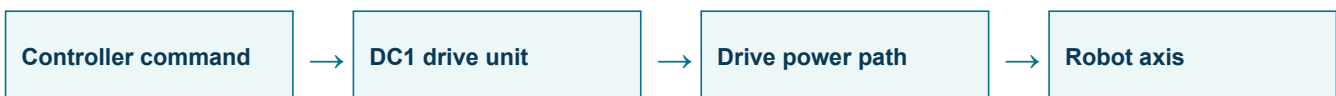
PRODUCT ROLE AND VERIFIED FEATURES

Feature 1 Identified in ABB product data as a Drive Unit DC1.	Feature 2 Serves a defined drive-hardware position in the robot-controller power path.
Feature 3 Requires the original conductors, protective connections and mounting arrangement to be recorded before removal.	Feature 4 Commissioning must confirm controller diagnostics and the commanded drive response before release.

VERIFIED DATA SNAPSHOT

Hardware type	Drive unit
ABB functional designation	Drive Unit DC1
System domain	Robot-controller drive hardware
Commissioning focus	Drive diagnostics and commanded response

SYSTEM RELATIONSHIP



APTERPOWER SALES TEAM
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Scan the approved WhatsApp code for model-specific support.



Technical profile

Verified technical values for the complete product string are arranged below for selection and engineering review.

Hardware type	Drive unit
ABB functional designation	Drive Unit DC1
System domain	Robot-controller drive hardware
Commissioning focus	Drive diagnostics and commanded response

SELECTION ANCHORS

- Identified in ABB product data as a Drive Unit DC1.
- Serves a defined drive-hardware position in the robot-controller power path.
- Requires the original conductors, protective connections and mounting arrangement to be recorded before removal.
- Commissioning must confirm controller diagnostics and the commanded drive response before release.

IMPORTANT NOTICE

Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check.

MANUFACTURER SOURCE CONTROLS

Manufacturer source	ABB official product-data search record for 3HAB8101-2
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

ADDITIONAL ENGINEERING CHECKS

Why is connection labeling important for ABB DSQC345B 3HAB8101-2?	The labels preserve the installed power and control path and prevent conductors from being returned to the wrong position.
When should ABB DSQC345B 3HAB8101-2 remain isolated?	Keep it isolated whenever identity, connection records, protective conductors, mounting or diagnostics do not agree with the approved work package.

System role and architecture



APPLICATION POINTS

Robot-controller service Restore the documented DC1 drive-unit position during controller maintenance.	Drive-path recovery Re-establish the recorded power and control connections after an exact-identity replacement.
Cabinet refurbishment Inspect the drive-unit mounting, conductors and cooling path during controlled cabinet work.	Functional recommissioning Confirm diagnostics, interlocks and commanded drive behavior before production release.

INTEGRATION RECORD

Identity	Record the complete marking and installed position.
Mechanical interface	Confirm mounting, support, clearance and connector engagement.
Electrical interface	Confirm signal path, shield, common and receiving-channel assignment.
Configuration	Retain the controlled channel settings and acceptance criteria.
Functional evidence	Record the expected static value, dynamic response and system status.

The drive unit has a defined role in its documented ABB control architecture. Match the installed hardware, connectors, configuration and service records before return to operation.

ENGINEERING REVIEW QUESTIONS

What function is documented for ABB DSQC345B 3HAB8101-2?	ABB product data identifies the hardware as a Drive Unit DC1.
Which installed position must be confirmed for ABB DSQC345B 3HAB8101-2?	Confirm that the service record calls for the DC1 drive-unit position and the complete identifier.
What should be recorded before removing ABB DSQC345B 3HAB8101-2?	Record each power, protective and control connection, conductor route and mounting point.
Which cabinet conditions should be checked for ABB DSQC345B 3HAB8101-2?	Inspect terminals, connectors, retention hardware and the controller cooling path.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

- 01 Confirm the complete DSQC345B 3HAB8101-2 marking and installed DC1 drive position.
- 02 Apply the controller's approved isolation procedure and verify the absence of hazardous energy.
- 03 Record every power, protective and control connection before disassembly.
- 04 Inspect terminals, connectors, mounting hardware and the cabinet cooling path before installation.
- 05 Use electrostatic-discharge controls for exposed electronic assemblies and connectors.
- 06 Restore conductor routing, protective connections and mechanical retention exactly as recorded.
- 07 Check controller diagnostics and the expected drive-unit status during controlled power-up.
- 08 Verify interlocks and the commanded robot response before enabling automatic operation.

RELEASE EVIDENCE

Exact identity	Product marking and intended system position agree.
Interface condition	Mounting, connectors, terminals and cable routing are secure.
Signal response	The expected static and dynamic behavior has been observed.
Protection state	Channel status, alarms and controlled bypass state are restored.

IMPORTANT NOTICE

Release the product only after identity, physical condition, configuration and functional response are accepted.

APPLICATION BOUNDARIES

Robot-controller service	Restore the documented DC1 drive-unit position during controller maintenance.
Drive-path recovery	Re-establish the recorded power and control connections after an exact-identity replacement.
Cabinet refurbishment	Inspect the drive-unit mounting, conductors and cooling path during controlled cabinet work.
Functional recommissioning	Confirm diagnostics, interlocks and commanded drive behavior before production release.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

What function is documented for ABB DSQC345B 3HAB8101-2?	ABB product data identifies the hardware as a Drive Unit DC1.
Which installed position must be confirmed for ABB DSQC345B 3HAB8101-2?	Confirm that the service record calls for the DC1 drive-unit position and the complete identifier.
What should be recorded before removing ABB DSQC345B 3HAB8101-2?	Record each power, protective and control connection, conductor route and mounting point.
Which cabinet conditions should be checked for ABB DSQC345B 3HAB8101-2?	Inspect terminals, connectors, retention hardware and the controller cooling path.
What must be observed during ABB DSQC345B 3HAB8101-2 power-up?	Observe controller diagnostics, drive-unit status and any unexpected fault indication under controlled conditions.
What completes commissioning of ABB DSQC345B 3HAB8101-2?	Confirm interlocks, controller diagnostics and the intended commanded drive response before automatic operation.

RELATED MODELS ON APTERPOWER

ABB DSQC609-3HAC14178-1	Related product reference. Review the complete ordering string before selection.
ABB DSQC639 3HAC025097-001	Related product reference. Compare the required interface and system position.
ABB 3HAC061275-001	Related product reference. Confirm the execution independently for the intended task.

SOURCE AND SELECTION RECORD

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Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

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