

ABB DSQC345B 3HAB8101-2

Complete Product Information

ABB DSQC345B 3HAB8101-2 provides the documented DC1 drive-unit function within the installed ABB robot controller.

WHAT THIS PRODUCT DOES

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 characteristic 1

Identified in ABB product data as a Drive Unit DC1.

Product characteristic 2

Serves a defined drive-hardware position in the robot-controller power path.

Product characteristic 3

Requires the original conductors, protective connections and mounting arrangement to be recorded before removal.

Product characteristic 4

Commissioning must confirm controller diagnostics and the commanded drive response before release.

PRODUCT-PAGE TECHNICAL SNAPSHOT

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

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Features and technical data

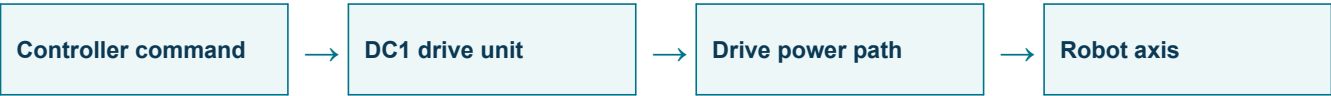
TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

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

FEATURE INTERPRETATION

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

SIGNAL OR CONTROL PATH



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.

PRODUCT-PAGE TECHNICAL 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.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

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.

APPLICATION VERIFICATION MAP

Robot-controller service	Confirm the documented system position and the required operating function.
Drive-path recovery	Compare the restored connection or control path with the approved record.
Cabinet refurbishment	Check the physical interface and the retained configuration before startup.
Functional recommissioning	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record Complete marking and assigned system position.	Connection record Connector, conductor and interface arrangement as found.
Configuration record Controlled settings, application data and option state.	Acceptance record Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

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.

Product precautions and questions

EIGHT MODEL-SPECIFIC 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.

FREQUENTLY ASKED TECHNICAL 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.

IMPORTANT NOTICE

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

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, source record and related models

ADDITIONAL TECHNICAL QUESTIONS

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.
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.

MANUFACTURER EVIDENCE RECORD

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.

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.

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