ABB DSQC236T

Technical Reference

ABB DSQC236T is a drive unit from the DSQC236 robot-controller drive family. It is associated with the YB560103-CE execution and must be selected against the complete installed nameplate.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Belongs to the ABB DSQC236 drive-unit family.

Feature 2

Cross-checked records associate DSQC236T with reference YB560103-CE.

Feature 3

Power, motor and control connections require exact as-found documentation.

Feature 4

Commissioning must keep motion inhibited until drive diagnostics are stable.

VERIFIED DATA SNAPSHOT

Hardware type	Robot drive unit
Associated reference	YB560103-CE
Controller domain	Legacy ABB robot drive cabinet
Commissioning focus	Drive diagnostics and controlled axis response

SYSTEM RELATIONSHIP

Controller command → **DC1 drive unit** → **Drive power path** → **Robot axis**

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Technical profile

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

Hardware type	Robot drive unit
Associated reference	YB560103-CE
Controller domain	Legacy ABB robot drive cabinet
Commissioning focus	Drive diagnostics and controlled axis response

SELECTION ANCHORS

- Belongs to the ABB DSQC236 drive-unit family.
- Cross-checked records associate DSQC236T with reference YB560103-CE.
- Power, motor and control connections require exact as-found documentation.
- Commissioning must keep motion inhibited until drive diagnostics are stable.

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	Cross-checked exact-item records identify DSQC236T as a drive unit and associate it with YB560103-CE.
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

How is ABB DSQC236T first energized after replacement?	Power it under controlled conditions with motion inhibited while monitoring controller and drive diagnostics.
What completes DSQC236T commissioning?	A controlled axis test, interlock verification and accepted diagnostic state are required before automatic operation.

System role and architecture

Controller command → **DC1 drive unit** → **Drive power path** → **Robot axis**

APPLICATION POINTS

Axis-drive maintenance

Restore the recorded drive-unit position after exact-identity service.

Robot cabinet refurbishment

Inspect the drive connections, cooling path and retention during overhaul.

Drive-path troubleshooting

Separate motor-cable, connector and drive-unit conditions during fault analysis.

Motion recommissioning

Test the affected axis under controlled speed and load limits.

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.

This drive unit belongs to a defined hardware position in an ABB robot-control installation. Match the installed label, connectors, slot and service record before commissioning.

ENGINEERING REVIEW QUESTIONS

What product type is ABB DSQC236T?	It is a drive unit in the ABB DSQC236 robot-controller drive family.
Which associated reference is repeatedly listed for DSQC236T?	Cross-checked exact-item records associate the T execution with YB560103-CE.
Why must another DSQC236 variant not be substituted directly?	The variant identifies a distinct execution, so compatibility requires the installed nameplate and controller record.
What connections should be labeled before DSQC236T removal?	Label the power, motor, feedback, control and protective connections at their original positions.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

01	Read the complete DSQC236T nameplate and associated execution before selecting a replacement.
02	Apply lockout and verify stored drive energy has discharged under the approved procedure.
03	Label power, motor, feedback and control connectors before removal.
04	Inspect terminals, backplane contacts, cooling surfaces and mounting hardware.
05	Do not interchange another DSQC236 variant without a documented compatibility decision.
06	Restore protective connections and conductor routing exactly as recorded.
07	Keep motion inhibited while checking drive and controller diagnostics.
08	Test the affected axis at controlled speed before 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, connection records, diagnostics and functional response are accepted.

APPLICATION BOUNDARIES

Axis-drive maintenance	Restore the recorded drive-unit position after exact-identity service.
Robot cabinet refurbishment	Inspect the drive connections, cooling path and retention during overhaul.
Drive-path troubleshooting	Separate motor-cable, connector and drive-unit conditions during fault analysis.
Motion recommissioning	Test the affected axis under controlled speed and load limits.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

What product type is ABB DSQC236T?	It is a drive unit in the ABB DSQC236 robot-controller drive family.
Which associated reference is repeatedly listed for DSQC236T?	Cross-checked exact-item records associate the T execution with YB560103-CE.
Why must another DSQC236 variant not be substituted directly?	The variant identifies a distinct execution, so compatibility requires the installed nameplate and controller record.
What connections should be labeled before DSQC236T removal?	Label the power, motor, feedback, control and protective connections at their original positions.
What stored-energy control applies to the drive unit?	Follow the controller isolation procedure and verify the drive energy has discharged before contact.
Which mechanical conditions should be checked?	Inspect mounting, connector retention and the cabinet cooling path before installation.

RELATED MODELS ON APTERPOWER

ABB 3HAC029105-002	Related product reference. Review the complete ordering string before selection.
ABB 3HAC025466-001	Related product reference. Compare the required interface and system position.
ABB 3HAC058040-001	Related product reference. Confirm the execution independently for the intended task.

SOURCE AND SELECTION RECORD

Manufacturer source	Cross-checked exact-item records identify DSQC236T as a drive unit and associate it with YB560103-CE.
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.

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