

ABB DSQC205 YB560103-AD/1

Installation & Commissioning Guide

ABB DSQC205 YB560103-AD/1 is an extension board for a legacy ABB robot-control installation. The complete AD/1 suffix distinguishes the required board execution during maintenance.

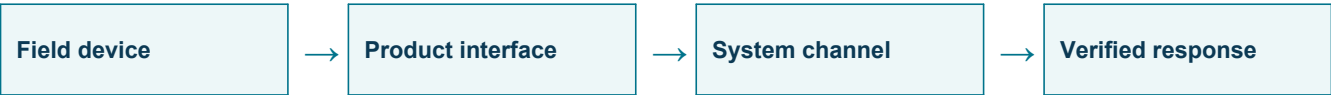
PRODUCT ROLE AND VERIFIED FEATURES

Feature 1 Exact ordering identity includes the complete YB560103-AD/1 suffix.	Feature 2 Provides an extension-board function within the controller hardware arrangement.
Feature 3 Field wiring and board settings must follow the original installation record.	Feature 4 Acceptance requires the expanded signals or functions to respond as configured.

VERIFIED DATA SNAPSHOT

Hardware type	Extension board
Part reference	YB560103-AD/1
Installation domain	ABB robot-control cabinet
Service control	Preserve wiring, settings and slot assignment

SYSTEM RELATIONSHIP



APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
Scan the approved WhatsApp code for model-specific support.



Pre-installation readiness

READINESS GATE

Identity Compare the complete marking with the approved work order and installed record.	System match Confirm the receiving channel, mating components and controlled configuration.
Physical condition Inspect mounting surfaces, connectors, terminals, cable and support hardware.	Work controls Apply authorized isolation, bypass, access and restoration procedures.

TECHNICAL PROFILE FOR THE WORK

Hardware type Extension board	Part reference YB560103-AD/1
Installation domain ABB robot-control cabinet	Service control Preserve wiring, settings and slot assignment

IMPORTANT NOTICE

Resolve every unmatched interface, configuration or receiving-system condition before removal or installation.

SOURCE AND WORK CONTROLS

Manufacturer source	Cross-checked exact-item records identify DSQC205 YB560103-AD/1 as an ABB extension board.
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.

APTERPOWER SALES TEAM
 WhatsApp / Phone: +86 180 3023 5313
 Email: sales13@apterpower.com
 Scan the approved WhatsApp code for model-specific support.



Installation sequence

CONTROLLED WORK STEPS

- 01 Confirm the complete product marking and the recorded controller position before removal.
- 02 Save the controller configuration and maintenance record required by the site procedure.
- 03 Label every connector and photograph its orientation before disconnection.
- 04 Isolate controller power and apply electrostatic-discharge controls before handling the board.
- 05 Inspect the slot, backplane, connector contacts and retention hardware before installation.
- 06 Restore only the documented cable routes, board settings and mechanical supports.
- 07 Check controller diagnostics and board indications during controlled startup.
- 08 Validate the affected robot function and interlocks before enabling automatic operation.

CONNECTION RECORD

As found	Photograph and label every connection and installed orientation before removal.
Mechanical	Record mounting position, support, clearance and connector engagement.
Electrical	Record polarity, common, shield, channel assignment and cable route.
Configuration	Preserve approved settings, scaling, alarm logic and acceptance limits.
As left	Record the final physical condition and any controlled deviation.



WORK HOLD POINTS

Before removal	Identity, position, wiring, orientation and controlled settings recorded.
Before connection	Mating interfaces, condition and routing reviewed.
Before power-up	Mechanical work, wiring, shielding and configuration independently checked.
Before release	Static value, dynamic response and protection behavior accepted.

Commissioning and functional proof

COMMISSIONING SEQUENCE

Initial state Observe status at power-up and check for unexpected fault or alarm indication.	Static value Verify the expected bias, gap, loop, contact or channel value for the application.
Dynamic response Apply the approved machine or test stimulus and confirm response and scaling.	Protection path Verify the configured alarm, relay, data or receiving-system behavior.

APPLICATION-SPECIFIC EVIDENCE

Controller expansion maintenance Restore the recorded extension-board position during legacy system service.	Signal-path recovery Reconnect the extension hardware according to the existing cabinet documentation.
Planned cabinet overhaul Inspect the board slot, terminal condition and retaining hardware.	Post-service validation Test each affected controller function after a controlled restart.

ACCEPTANCE RECORD

Identity	Complete marking and final installed position recorded.
Physical inspection	Mounting, connectors, terminals and routing checked.
Channel status	Expected status and configured measurement confirmed.
Functional test	Required output or protection response demonstrated.
Restoration	Bypasses removed and operating state approved.

COMMISSIONING QUESTIONS

What does the AD/1 suffix identify on ABB DSQC205 YB560103-AD/1?	It is part of the complete board reference and must be retained when selecting the replacement.
What hardware category applies to ABB DSQC205 YB560103-AD/1?	It is an extension board for a legacy ABB robot-control installation.

Release record and technical references

CLOSEOUT QUESTIONS

Which records are needed before disconnecting the board?	Keep the slot, terminal, cable-label and board-setting records for the installed position.
What should be inspected at the DSQC205 installation point?	Inspect the backplane, terminal points, mating connectors and mechanical retention.
Why should unverified channel values remain unused?	The installed configuration determines the active signals, so testing must follow the site drawings and controller setup.
How are restored connections checked?	Compare every cable and terminal against the removal record before applying power.
What commissioning test follows ABB DSQC205 YB560103-AD/1 installation?	Exercise the affected controller functions individually and confirm their diagnostic state.
When is the extension board ready for automatic operation?	Release it after identity, wiring, configuration, diagnostics and affected functions have passed review.

RELATED MODELS FOR INSTALLATION PLANNING

ABB DSQC609-3HAC14178-1	Installation-planning reference. Review the complete ordering string before selection.
ABB PCU-03	Installation-planning reference. Compare the required interface and system position.
ABB 3HAC043569-004	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER SOURCE AND FINAL CONTROL

Manufacturer source	Cross-checked exact-item records identify DSQC205 YB560103-AD/1 as an ABB extension board.
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.

IMPORTANT NOTICE

Release the equipment only after the responsible site authority accepts the recorded result.

APTERPOWER SALES TEAM
 WhatsApp / Phone: +86 180 3023 5313
 Email: sales13@apterpower.com
 Scan the approved WhatsApp code for model-specific support.

