

ABB DSQC 352A

Technical Reference

ABB DSQC 352A is a Profibus communication module for an ABB robot-controller network interface. It provides the fieldbus communication position between the controller and the configured Profibus network.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Provides the Profibus communication-module function.

Feature 2

Installed as a controller network-interface assembly.

Feature 3

Network address, connector and bus-termination records must be preserved before service.

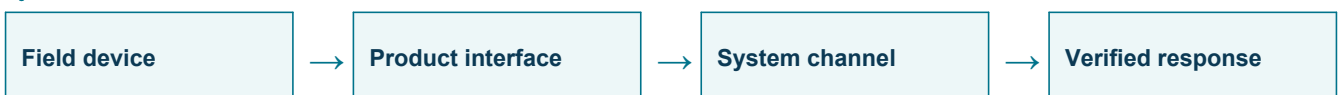
Feature 4

Acceptance requires stable bus status and verified cyclic communication.

VERIFIED DATA SNAPSHOT

Hardware type	Profibus communication module
Network family	Profibus
System role	Robot-controller fieldbus interface
Commissioning focus	Bus status and cyclic data exchange

SYSTEM RELATIONSHIP



APTERPOWER SALES TEAM
 WhatsApp / Phone: +86 180 3023 5313
 Email: sales13@apterpower.com
 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	Profibus communication module
Network family	Profibus
System role	Robot-controller fieldbus interface
Commissioning focus	Bus status and cyclic data exchange

SELECTION ANCHORS

- Provides the Profibus communication-module function.
- Installed as a controller network-interface assembly.
- Network address, connector and bus-termination records must be preserved before service.
- Acceptance requires stable bus status and verified cyclic communication.

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 DSQC 352A as a Profibus communication module for ABB robot controllers.
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 are mapped signals checked for ABB DSQC 352A?	Compare the controller values with the configured master data and test the affected interlocks.
When can the robot return to automatic operation?	Release it after the network state, cyclic data, mapped signals and safety-related interlocks are accepted.

System role and architecture



APPLICATION POINTS

Profibus interface maintenance Restore the controller network interface after exact-identity module service.	Robot-cell communication recovery Re-establish cyclic data exchange with the configured fieldbus master.
Network cabinet refurbishment Inspect the bus connector, shield and module seating during planned work.	Fieldbus recommissioning Verify station settings, bus state and mapped controller data.

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 profibus communication module 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 network function does ABB DSQC 352A provide?	It provides a Profibus communication interface for an ABB robot controller.
What should be recorded before removing ABB DSQC 352A?	Record the network address, connector orientation, cable shield and bus-termination arrangement.
Why must termination remain unchanged during module service?	Changing bus termination can disrupt communication for this station and other devices on the segment.
Which connector conditions should be inspected?	Inspect pin alignment, shell retention, shield continuity and the condition of the mating bus cable.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

- 01 Confirm the complete DSQC 352A marking before disturbing the network interface.
- 02 Record the station setting, connector orientation, shield and termination arrangement.
- 03 Isolate the controller and follow ESD controls before handling the module.
- 04 Inspect the Profibus connector, cable shield and backplane contacts.
- 05 Restore the documented network address and termination without changing other stations.
- 06 Keep the robot inhibited during initial controller and fieldbus startup.
- 07 Check stable bus status and the expected cyclic data exchange.
- 08 Validate mapped signals and robot interlocks 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

Profibus interface maintenance	Restore the controller network interface after exact-identity module service.
Robot-cell communication recovery	Re-establish cyclic data exchange with the configured fieldbus master.
Network cabinet refurbishment	Inspect the bus connector, shield and module seating during planned work.
Fieldbus recommissioning	Verify station settings, bus state and mapped controller data.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

What network function does ABB DSQC 352A provide?	It provides a Profibus communication interface for an ABB robot controller.
What should be recorded before removing ABB DSQC 352A?	Record the network address, connector orientation, cable shield and bus-termination arrangement.
Why must termination remain unchanged during module service?	Changing bus termination can disrupt communication for this station and other devices on the segment.
Which connector conditions should be inspected?	Inspect pin alignment, shell retention, shield continuity and the condition of the mating bus cable.
What configuration should be restored after installation?	Restore the documented station setting and controller fieldbus configuration for the serviced position.
What indicates a successful Profibus restart?	The module and controller should show a stable bus state with the expected cyclic exchange.

RELATED MODELS ON APTERPOWER

ABB DSQC662 3HAC026254-001	Related product reference. Review the complete ordering string before selection.
ABB CM15/000S0E0/STD	Related product reference. Compare the required interface and system position.
ABB DSRF182 57310255-AL	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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