

ABB DSQC 352A

Complete Product Information

ABB DSQC 352A supplies a Profibus communication interface for a configured ABB robot-controller network.

WHAT THIS PRODUCT DOES

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 characteristic 1

Provides the Profibus communication-module function.

Product characteristic 2

Installed as a controller network-interface assembly.

Product characteristic 3

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

Product characteristic 4

Acceptance requires stable bus status and verified cyclic communication.

PRODUCT-PAGE TECHNICAL SNAPSHOT

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

IMPORTANT NOTICE

Verify the complete ABB DSQC 352A marking, installed position and mating interfaces before installation.

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



Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

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

FEATURE INTERPRETATION

Product identity Provides the Profibus communication-module function.	System role Installed as a controller network-interface assembly.
Service context Network address, connector and bus-termination records must be preserved before service.	Return-to-service focus Acceptance requires stable bus status and verified cyclic communication.

SIGNAL OR CONTROL PATH



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.

PRODUCT-PAGE TECHNICAL 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.

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.

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.

APPLICATION VERIFICATION MAP

Profibus interface maintenance	Confirm the documented system position and the required operating function.
Robot-cell communication recovery	Compare the restored connection or control path with the approved record.
Network cabinet refurbishment	Check the physical interface and the retained configuration before startup.
Fieldbus 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

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.

Product precautions and questions

EIGHT MODEL-SPECIFIC 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.

FREQUENTLY ASKED TECHNICAL 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.

IMPORTANT NOTICE

Release the product only after identity, connection records, diagnostics 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 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.
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.

MANUFACTURER EVIDENCE RECORD

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.

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.

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