ABB GJR5142800R0001 35AB94B

Complete Product Information

ABB GJR5142800R0001 35AB94B is a digital output module for an installed Procontic T300 arrangement.

01 Signal-path identity and channel data

Operating Voltage	24VDC
Current Rating	5A
Number of Channels	8
Operating Temperature Range	-25°C to +60°C
Storage Temperature Range	-40°C to +70°C
Protection Class	IP20
Relay Type	SPST

02 Functional role and system position

Output acceptance depends on the installed switching method, load demand, supply arrangement and channel protection.

Commons and supply groups must remain separated exactly as shown in the machine drawings, including suppression for inductive loads.

Commissioning proves the safe de-energized state before testing one commanded output at a time and observing the intended field device.

03 Engineering highlights

Installed-system service

Return GJR5142800R0001 35AB94B to its documented system position.

Configuration continuity

Retain the installed mapping, settings and companion identities.

Controlled diagnostics

Separate field, wiring, configuration and module causes.

Acceptance testing

Compare restored operation with the approved baseline.

04 Evidence and applicability boundary

Use the complete model identity and the documented installed relationship; system-level values remain configuration dependent.

05 Field-loop integration map

Installed-system service

Return GJR5142800R0001 35AB94B to its documented system position.

Configuration continuity

Retain the installed mapping, settings and companion identities.

Controlled diagnostics

Separate field, wiring, configuration and module causes.

Acceptance testing

Compare restored operation with the approved baseline.

06 Installation and protection controls

Confirm complete identity

Match GJR5142800R0001 35AB94B and every visible revision.

Record the as-found installation

Photograph connections, orientation and companion hardware.

Apply approved isolation

Prove the required safe state before disturbance.

Protect the hardware

Use ESD control and supported handling.

Restore deliberately

Reapply only approved wiring and settings.

Retain evidence

Keep photographs, test results and acceptance sign-off.

07 Technical notes

Installation relationship	ABB Procontic T300 output arrangement
Identity boundary	Use the complete marking and visible revision.

Acceptance boundary	Verify the restored installed function against the recorded baseline.

08 Installed-system decision points

How should the output technology of GJR5142800R0001 35AB94B be confirmed before wiring?	Identify from the approved ABB and machine documentation whether each used point is intended for the installed load and switching method. Do not assume relay, transistor or another output behavior from the general digital-output description.
What load information must be checked for each GJR5142800R0001 35AB94B channel?	Record the field voltage, steady and inrush demand, load polarity, protection and channel assignment. Compare these values with the approved installed design before reconnecting coils, lamps, contactors or other actuators.
How should output commons be handled when replacing GJR5142800R0001 35AB94B?	Map every channel to its documented common or supply group before removal. Preserve group boundaries and verify that no external jumper creates an unintended shared return between separately protected circuits.

09 Channel commissioning and acceptance matrix

Channel identity	Reconcile physical terminals, logical channels and field-device tags before energization. Exact model: GJR5142800R0001 35AB94B.
Electrical path	Confirm signal direction, polarity, loop power, return and shield treatment from the loop drawing. Exact model: GJR5142800R0001 35AB94B.
Controlled test	Inject or command one documented channel at a time and compare measured and controller values. Exact model: GJR5142800R0001 35AB94B.
Final proof	Retain channel-by-channel results and the stable diagnostic state. Exact model: GJR5142800R0001 35AB94B.

10 Published technical data - continuation

Order number	GJR5142800R0001
Type marking	35AB94B
Product function	Digital field-output control
Installed relationship	Output groups, commons and actuator circuits
Replacement basis	Complete marking, connector layout and revision

11 Product-specific engineering FAQ

How should the output technology of GJR5142800R0001 35AB94B be confirmed before wiring?

Identify from the approved ABB and machine documentation whether each used point is intended for the installed load and switching method. Do not assume relay, transistor or another output behavior from the general digital-output description.

What load information must be checked for each GJR5142800R0001 35AB94B channel?

Record the field voltage, steady and inrush demand, load polarity, protection and channel assignment. Compare these values with the approved installed design before reconnecting coils, lamps, contactors or other actuators.

How should output commons be handled when replacing GJR5142800R0001 35AB94B?

Map every channel to its documented common or supply group before removal. Preserve group boundaries and verify that no external jumper creates an unintended shared return between separately protected circuits.

What protection is needed for inductive loads controlled by GJR5142800R0001 35AB94B?

Confirm that each inductive load uses the suppression method specified by the machine design and that its polarity and location are correct. Inspect contactors and solenoids for damaged suppression components before reconnecting the module.

Which markings must be matched for GJR5142800R0001 35AB94B?

Use the complete GJR5142800R0001 order number together with the 35AB94B type marking, connector layout and visible revision details. The shorter 35AB94 form is an incomplete identity for variant acceptance.

How should the safe output state of GJR5142800R0001 35AB94B be verified?

With the machine in an approved safe condition, confirm the expected de-energized state and interlock behavior before applying field power. Prove that an inhibited or stopped controller does not create an unintended actuator command.

What diagnostic sequence helps isolate a non-operating GJR5142800R0001 35AB94B output?

Check the controller command, module indication, field supply, protective device, terminal voltage and load continuity in that order. This separates a logic or mapping issue from a channel, wiring or field-load fault.

How should GJR5142800R0001 35AB94B outputs be accepted after installation?

Test one output at a time under controlled conditions, observe the intended field device and verify that unrelated outputs remain unchanged. Record the command, measured state, interlock response and final fault-free condition for every used channel.

12 Lifecycle and supply boundary

The current manufacturing and manufacturer-support phase is unconfirmed; preserve the exact installed identity for service planning.

Offered reference	ABB GJR5142800R0001 35AB94B

Included items	the GJR5142800R0001 35AB94B digital output module; companion hardware only when itemized in the quotation
Identity check	Compare the complete marking, revision and connections with available unit photographs and the installed record.

13 Commissioning handover record

Channel and field-device map	Retain with the complete model marking, installed asset reference and responsible acceptance sign-off.
Loop electrical checks	Retain with the complete model marking, installed asset reference and responsible acceptance sign-off.
Injected or commanded values	Retain with the complete model marking, installed asset reference and responsible acceptance sign-off.
Controller and field response	Retain with the complete model marking, installed asset reference and responsible acceptance sign-off.

14 Enquiry workflow

Review your reference	Send the complete GJR5142800R0001 35AB94B marking and installed-position photographs.
Confirm the offer	Confirm the offered revision, condition and included items.
Arrange dispatch	Agree quantity, dispatch date and delivery details in the quotation.

15 Related product references

Recommended model	ABB BSFC-02C 3AXD50000011461
Recommended model	ABB CP-A RU 1SVR427071R0000
Recommended model	ABB GJR5143100R0001 35EK90
Recommended model	ABB GJR5146620R0001 35ZE94G
Recommended model	ABB 3BHE027867R0101

Confirm the complete GJR5142800R0001 35AB94B marking, installed relationship and required quantity with Apter Power.

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