ABB GJR5142800R0001 35AB94B

Hardware Identity & Integration Reference

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

01 Product identity

Complete order number	GJR5142800R0001
Complete type marking	35AB94B
Product type	Procontic T300 Digital Output Module
Documented platform	ABB Procontic T300 field-output system
ABB type marking	35AB94B
Control-system family	Procontic T300
Module function	Digital field-output control
Field connection	Long front multipole connector

02 Visible hardware and installed relationship

Rack interfaces

Dual card-edge/backplane connections

Mechanical retention

Front ejector handles

Board form

Rack-mounted printed-circuit card

Visible label code

9127

Replacement basis

Complete marking, connector layout, rack position and installed records

03 Engineering role

The module is a rack-mounted printed-circuit card with a long front multipole field connector, two rack-edge interfaces and front ejector handles. These features must match the installed T300 slot and connector arrangement.

The digital-output designation does not by itself define the switching technology, field voltage, load current or grouping for every circuit. Confirm those values from the approved machine drawing, including common boundaries and suppression for inductive loads.

Before energization, prove the expected de-energized state and machine interlocks. Then command one documented output at a time, observe the intended field device, confirm unrelated channels remain unchanged and record the final diagnostic state.

04 Application map

Actuator command output

Control documented coils, lamps, contactors or other field loads within the approved circuit design.

Grouped output distribution

Preserve the installed supply and common boundaries for every used output group.

Inductive-load service

Maintain the specified suppression method, polarity and protective device for coils and solenoids.

Output fault isolation

Trace controller command, module indication, field supply, terminal state and load continuity in sequence.

05 Evidence and interpretation boundaries

Identity boundary	Use the complete GJR5142800R0001 order number and 35AB94B type marking; 35AB94 alone is incomplete.
Hardware relationship	The visible module has a long front multipole connector, dual rack-edge interfaces and front ejector handles.
Output boundary	Switching technology, supply, current and grouping must come from the installed circuit documentation.
Acceptance boundary	Prove the safe state first, then test each used output and its intended field load individually.

06 Product-specific review questions

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.

07 Ordering verification

Complete identity	Match the full GJR5142800R0001 35AB94B marking, rack position, front multipole connector and visible label code with the installed digital output module.
Offered item	Request complete-label and connector photographs. Compare the offered unit, condition and included items with the installed T300 output circuits before ordering.
Included scope	GJR5142800R0001 35AB94B digital output module; mating connector, terminal hardware and companion field devices only when itemized

08 Lifecycle and installed-record boundary

Lifecycle status	The current manufacturing and manufacturer-support phase of GJR5142800R0001 35AB94B is unconfirmed. Continued service depends on the installed Procontic T300 rack, connector arrangement and documented field-output circuits.
Configuration record	Record the rack slot, complete marking, output map, common groups, field supply, protection and safe-state behavior before exchange.
Electrical data boundary	Use the approved ABB and machine records for ratings, channel behavior and configuration-specific limits.
Supply boundary	Quantity, condition, included scope and dispatch timing are confirmed in the quotation.

09 As-found inspection worksheet

Label record	Complete order number, type marking, visible revision and label code.
Mechanical record	Rack position, ejector orientation, connector keys and adjacent module identities.
Connection record	Harness labels, terminal or connector position, routing and strain relief.
Functional record	Installed assignment, diagnostic state and accepted operating baseline.

10 Related ABB references

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

Discuss the complete GJR5142800R0001 35AB94B marking, installed application and required quantity with Apter Power.

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