ABB GJR5142600R0001 35EB91B

Hardware Identity & Integration Reference

ABB GJR5142600R0001 35EB91B is an I/O interface card for an installed Procontic T300 control arrangement.

01 Product identity

Complete order number	GJR5142600R0001
Complete type marking	35EB91B
Product type	Procontic T300 I/O Interface Card
Documented platform	ABB Procontic T300 I/O system
ABB type marking	35EB91B
Control-system family	Procontic T300
Card function	Controller I/O interface
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

9087

Replacement basis

Complete marking, connector layout, rack position and installed records

03 Engineering role

The card uses a long front multipole connection for field-side integration and two rack-edge interfaces for the controller assembly. Front ejector handles support controlled insertion and removal from its assigned T300 slot.

The general I/O-card identity does not establish a voltage, current, contact or communication type for every connected point. Read each used signal from the installed loop drawing and controller map, including commons, returns, shields and isolation boundaries.

Commission the restored card one documented loop at a time. Compare the physical terminal, logical channel, controller indication, field response and alarm state before enabling the next circuit or returning the process to automatic control.

04 Application map

Process I/O integration

Maintain the documented relationship between field-device tags, terminal references and controller channels.

Cabinet interface service

Return the card to its recorded T300 slot with the same front connector and rack orientation.

Loop diagnostics

Separate field-device, wiring, mapping and card causes by testing one documented point at a time.

Controlled system restoration

Verify channel indications and field responses before releasing the controller to automatic operation.

05 Evidence and interpretation boundaries

Identity boundary	Use the complete GJR5142600R0001 order number and 35EB91B type marking; 35EB91 alone is incomplete.
Hardware relationship	The visible card has a long front multipole connector, dual rack-edge interfaces and front ejector handles.
Signal boundary	Electrical type, range and channel use must come from the installed loop drawing and controller map.
Acceptance boundary	Prove physical-to-logical channel correspondence and field response one documented loop at a time.

06 Product-specific review questions

How should the installed channel map be captured before replacing GJR5142600R0001 35EB91B?	Record every used channel, signal direction, terminal reference, field-device tag and controller address before removal. The replacement should reproduce the approved I/O allocation rather than assume unused or identically numbered points are interchangeable.
What signal-type check is required before connecting GJR5142600R0001 35EB91B?	Confirm the electrical signal type and range for each connected point from the installed drawing and field-device record. Do not infer voltage, current, contact or communication behavior from the general I/O-card description.
How should channel commons and isolation boundaries be reviewed for GJR5142600R0001 35EB91B?	Trace the documented common, reference and shield connections for each channel group. Verify that field returns and protective earth are not combined across an isolation boundary that the installed design keeps separate.
Which identity details must match when evaluating GJR5142600R0001 35EB91B?	Compare the full GJR5142600R0001 order number, the 35EB91B type marking, connector arrangement and visible revision information. The shortened 35EB91 designation alone does not prove the same hardware variant.

07 Ordering verification

Complete identity	Match the full GJR5142600R0001 35EB91B marking, rack position, front multipole connector and visible label code with the installed I/O card.
Offered item	Request complete-label and connector photographs. Compare the offered unit, condition and included items with the installed T300 channel map before ordering.
Included scope	GJR5142600R0001 35EB91B I/O interface card; mating connector, terminal hardware and companion modules only when itemized

08 Lifecycle and installed-record boundary

Lifecycle status	The current manufacturing and manufacturer-support phase of GJR5142600R0001 35EB91B is unconfirmed. Continued service depends on the installed Procontic T300 rack, connector arrangement and controller I/O map.
Configuration record	Record the rack slot, complete marking, front connector, logical addresses, signal directions, commons and field-device tags 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 GJR5142600R0001 35EB91B marking, installed application and required quantity with Apter Power.

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