ABB GJR5142600R0001 35EB91B

Complete Product Information

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

01 Signal-path identity and channel data

Operating Voltage Range	DC 12V to 48V
Input Current	Max. 10mA
Number of Channels	8
Communication Interface	Modbus TCP/IP
Operating Temperature Range	-25°C to +70°C
Storage Temperature Range	-40°C to +85°C
Reliability Rating	IP20
Power Consumption	10W

02 Functional role and system position

Every used point must retain its signal direction, terminal reference, field tag and logical controller address.

Channel commons, returns, shields and isolation boundaries belong to the cabinet design and must be preserved during replacement.

Commissioning proceeds one documented loop at a time with controlled tests and comparison against the controller and field baseline.

03 Engineering highlights

Installed-system service

Return GJR5142600R0001 35EB91B 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 GJR5142600R0001 35EB91B 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 GJR5142600R0001 35EB91B 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 I/O 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 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.

09 Channel commissioning and acceptance matrix

Channel identity	Reconcile physical terminals, logical channels and field-device tags before energization. Exact model: GJR5142600R0001 35EB91B.
Electrical path	Confirm signal direction, polarity, loop power, return and shield treatment from the loop drawing. Exact model: GJR5142600R0001 35EB91B.
Controlled test	Inject or command one documented channel at a time and compare measured and controller values. Exact model: GJR5142600R0001 35EB91B.
Final proof	Retain channel-by-channel results and the stable diagnostic state. Exact model: GJR5142600R0001 35EB91B.

10 Published technical data - continuation

Order number	GJR5142600R0001
Type marking	35EB91B
Product function	Controller I/O interface
Installed relationship	Channel map, addressing and field wiring
Replacement basis	Complete marking, connector layout and revision

11 Product-specific engineering FAQ

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.

How should controller addressing be retained when installing GJR5142600R0001 35EB91B?

Document the rack position, station or module address and the controller-side I/O mapping before removal. After installation, verify that each physical channel reports to the same logical point before enabling automatic control.

What field-power checks should precede energization of GJR5142600R0001 35EB91B?

Measure the supply and reference points against the approved cabinet drawing with the module isolated as required by site procedure. Check polarity, protective devices and absence of unintended voltage on signal terminals before reconnecting field circuits.

How should individual loops be commissioned after fitting GJR5142600R0001 35EB91B?

Commission one documented channel at a time using a controlled input or output test appropriate to that loop. Compare the controller indication, field response and alarm state with the maintenance baseline before moving to the next channel.

What evidence should be retained after GJR5142600R0001 35EB91B passes testing?

Retain the complete marking, installed slot, wiring photographs, channel-by-channel test results, controller mapping and final diagnostic state. This provides traceability for the specific I/O card rather than only a general rack-service record.

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 GJR5142600R0001 35EB91B

Included items	the GJR5142600R0001 35EB91B i/o card; 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 GJR5142600R0001 35EB91B 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 GJR5142600R0001 35EB91B marking, installed relationship and required quantity with Apter Power.

sales13@apterpower.com | +86 18030235313