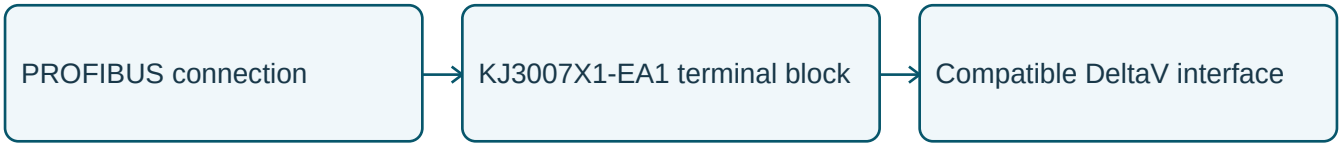
KJ3007X1-EA1-12P2413X032

01 / System identity and preparation

The KJ3007X1-EA1 terminal block forms the field-connection point for a compatible PROFIBUS interface; installation and replacement must preserve the system power and hazardous-area requirements.



Preparation priorities

Complete identity	Compare KJ3007X1-EA1-12P2413X032, revision and terminal arrangement with the installed assembly.
Power boundary	The reference input rating is 5 V DC at 100 mA. De-energize system power before inserting or removing the block.

Guide boundary

This Apter Power guide organizes preparation and acceptance checks. Apply the manufacturer instructions and approved site procedure for detailed wiring, mounting, configuration and functional testing.

Application boundary

These ratings apply to the KJ3007X1-EA1 terminal-block design. Match the complete KJ3007X1-EA1-12P2413X032 assembly marking, revision and installed interface before applying these limits; approvals depend on the marked unit and installation.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Configuration review before service

Complete identity	Compare KJ3007X1-EA1-12P2413X032, revision and terminal arrangement with the installed assembly.
Power boundary	The reference input rating is 5 V DC at 100 mA. De-energize system power before inserting or removing the block.
Environmental fit	Confirm non-condensing humidity and the installation temperature against the -40 to +70 °C terminal-block rating.
Return to service	Verify the restored terminal connections and system communication under the approved DeltaV commissioning procedure.

Match the full assembly

Retain KJ3007X1-EA1-12P2413X032 and the revision in the maintenance record. Do not infer interchangeability from the terminal-block family alone.

Isolate system power

Do not insert or remove the block while system power is energized. Follow the approved isolation and return-to-service procedure.

Mismatch decision

Resolve a different catalog marking, interface, software requirement or installed configuration before proceeding. Physical similarity alone does not establish an approved replacement.

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Apply manufacturer instructions and approved site procedures.

03 / Hardware and interface checks

Keep the unit assembled

There are no user-serviceable internal parts. Do not disassemble the terminal block or attempt an internal repair.

Control condensation

Maintain 5 to 95% relative humidity without condensation and assess cabinet conditions before energization.

Key hardware references

System family	DeltaV
Input power	5 V DC at 100 mA
Ambient temperature	-40 to +70 °C
Relative humidity	5 to 95%, non-condensing

Preserve the connection record

Photograph and label the affected connections before disconnection. Retain the original routing, module positions and identification with the work order, and compare the restored installation against that record.

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Apply manufacturer instructions and approved site procedures.

04 / Commissioning and diagnostic decisions

Apply mechanical limits correctly

Use 1 mm peak-to-peak for 2 to 13.2 Hz and 0.7 g for 13.2 to 150 Hz; assess shock separately at 10 g for 11 ms.

Verify the actual approval

The installation must match the actual label and applicable hazardous-area requirements. A family reference does not certify every assembly or site configuration.

Acceptance checkpoints

Before energization	The reference input rating is 5 V DC at 100 mA. De-energize system power before inserting or removing the block.
Configuration review	Confirm non-condensing humidity and the installation temperature against the -40 to +70 °C terminal-block rating.
Functional release	Verify the restored terminal connections and system communication under the approved DeltaV commissioning procedure.

Abnormal result

If diagnostics, communication or functional response differ from the approved baseline, stop the release and resolve the configuration or installation issue. Do not bypass an interlock or protective function to obtain a passing test.

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Apply manufacturer instructions and approved site procedures.

05 / Service record and technical references

Lifecycle and support

The current manufacturing and service-support phase for KJ3007X1-EA1-12P2413X032 is unconfirmed. Obtain model-specific replacement and support guidance before planning long-term spares coverage.

Technical basis

Emerson KJ3007X1-EA1 ATEX Instruction Sheet, ATEX243, November 2021.

Applicability

These ratings apply to the KJ3007X1-EA1 terminal-block design. Match the complete KJ3007X1-EA1-12P2413X032 assembly marking, revision and installed interface before applying these limits; approvals depend on the marked unit and installation.

Related portfolio references

Emerson KJ4001X1-BA3 12P3378X012 VE3051C0

Emerson KJ3222X1-BA1 12P2532X112 VE4003S2B2

Navigation only. These listings are not confirmed replacements, compatible accessories or included items.

Handover record

Retain the complete fitted marking, hardware/software revision where applicable, connection record and accepted test results. Confirm separate accessories and documents in the quotation.

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Apply manufacturer instructions and approved site procedures.