Emerson KJ3003X1-EA1 12P0921X042

Complete Product Information

Emerson KJ3003X1-EA1 12P0921X042 is a DeltaV serial-interface terminal block that provides the field-wiring interface for the assigned serial communication module.

WHAT THIS PRODUCT DOES

Emerson KJ3003X1-EA1 12P0921X042 is a DeltaV serial-interface terminal block that provides the field-wiring interface for the assigned serial communication module.

Product characteristic 1

Provides organized termination for a DeltaV serial interface.

Product characteristic 2

Separates field wiring from the removable electronics module.

Product characteristic 3

Retains the keyed relationship between interface card and terminal block.

Product characteristic 4

Supports controlled maintenance without disturbing unrelated I/O wiring.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Component type	Serial interface terminal block
System family	DeltaV M-series
Interface role	Field serial-wiring termination
Maximum supply rating	35 VDC
Maximum current rating	1.0 A
Maintenance	No calibration

IMPORTANT NOTICE

Match the complete KJ3003X1-EA1 12P0921X042 marking and documented interfaces before installation, then verify the intended technical response.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Component type	Serial interface terminal block
System family	DeltaV M-series
Interface role	Field serial-wiring termination
Maximum supply rating	35 VDC
Maximum current rating	1.0 A
Maintenance	No calibration

FEATURE INTERPRETATION

Product identity

Provides organized termination for a DeltaV serial interface.

System role

Separates field wiring from the removable electronics module.

Service context

Retains the keyed relationship between interface card and terminal block.

Return-to-service focus

Supports controlled maintenance without disturbing unrelated I/O wiring.

SIGNAL OR CONTROL PATH

Field device → **Product interface** → **System channel** → **Verified response**

KJ3003X1-EA1 12P0921X042 must remain matched to its documented system interface, mating hardware and controlled configuration.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which component type applies to KJ3003X1-EA1 12P0921X042?	The documented component type is Serial interface terminal block.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Modbus serial devices

Terminates controlled serial communication wiring.

Analyzer integration

Connects serial field equipment to the DeltaV interface.

Package-unit communication

Provides the cabinet termination point for serial links.

Legacy serial migration

Preserves field wiring during compatible interface replacement.

APPLICATION VERIFICATION MAP

Modbus serial devices	Confirm the documented system position and the required operating function.
Analyzer integration	Compare the restored connection or control path with the approved record.
Package-unit communication	Check the physical interface and the retained configuration before startup.
Legacy serial migration	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record

Complete marking and assigned system position.

Connection record

Connector, conductor and interface arrangement as found.

Configuration record

Controlled settings, application data and option state.

Acceptance record

Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

What interface role should be checked on KJ3003X1-EA1 12P0921X042?	The documented interface role is Field serial-wiring termination.
Why does maximum supply rating matter when selecting KJ3003X1-EA1 12P0921X042?	The documented maximum supply rating is 35 VDC.
Where does KJ3003X1-EA1 12P0921X042 use its stated maximum current rating?	The documented maximum current rating is 1.0 A.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Match KJ3003X1-EA1 and 12P0921X042 before removal.
02	Record every serial pair, shield and common conductor.
03	De-energize the assigned interface before disconnecting wiring.
04	Preserve polarity and network termination components.
05	Inspect the keyed terminal block and connector pins.
06	Keep communication wiring separated from high-energy conductors.
07	Restore port parameters and node addressing from the controlled record.
08	Verify stable communication and diagnostic status with every assigned device.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which component type applies to KJ3003X1-EA1 12P0921X042?	The documented component type is Serial interface terminal block.
How is KJ3003X1-EA1 12P0921X042 specified for system family?	The documented system family is DeltaV M-series.
What interface role should be checked on KJ3003X1-EA1 12P0921X042?	The documented interface role is Field serial-wiring termination.
Why does maximum supply rating matter when selecting KJ3003X1-EA1 12P0921X042?	The documented maximum supply rating is 35 VDC.

IMPORTANT NOTICE	Confirm the complete KJ3003X1-EA1 12P0921X042 identity, mating interface and controlled system position before return to service.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, configuration control and related models

ADDITIONAL TECHNICAL QUESTIONS

Where does KJ3003X1-EA1 12P0921X042 use its stated maximum current rating?	The documented maximum current rating is 1.0 A.
What value is documented for the maintenance of KJ3003X1-EA1 12P0921X042?	The documented maintenance is No calibration.
Which records should be retained before removing KJ3003X1-EA1 12P0921X042?	Record the complete marking, installed position, wiring, keying and controlled configuration before removal.
Which acceptance checks should follow installation of KJ3003X1-EA1 12P0921X042?	Verify physical engagement, channel status, diagnostics and the intended signal or communication response before release.

CONFIGURATION CONTROL RECORD

Configuration identity	Emerson KJ3003X1-EA1 12P0921X042
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

RELATED MODELS ON APTERPOWER

Emerson MMS6312	Related product reference. Review the complete ordering string before selection.
Emerson KJ3002X1-BA1 12P0680X122	Related product reference. Compare the required interface and system position.
Emerson KJ3002X1-BG2 12P1731X032	Related product reference. Confirm the execution independently for the intended task.

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