Emerson KJ4001X1-CA1 12P0623X062

Complete Product Information

Emerson KJ4001X1-CA1 12P0623X062 is a standard i/o termination block for field wiring between an eight-channel I/O card and process circuits in the DeltaV M-series I/O subsystem.

WHAT THIS PRODUCT DOES

Emerson KJ4001X1-CA1 12P0623X062 is a standard i/o termination block for field wiring between an eight-channel I/O card and process circuits in the DeltaV M-series I/O subsystem.

Product characteristic 1

Provides screw-terminal access for field conductors.

Product characteristic 2

Plugs directly onto the matching DeltaV I/O carrier position.

Product characteristic 3

Uses rotary keying to prevent an incompatible card connection.

Product characteristic 4

Allows electronics replacement while retaining field termination control.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Component type	Standard I/O termination block
System family	DeltaV M-series Traditional I/O
Wiring role	Field signal termination
Card relationship	Keyed to the assigned I/O card
Maintenance	No calibration
Installation	Direct plug-on terminal block

IMPORTANT NOTICE

Match the complete KJ4001X1-CA1 12P0623X062 marking and documented interfaces before installation, then verify the intended technical response.

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Scan the approved WhatsApp code for model-specific support.

Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Component type	Standard I/O termination block
System family	DeltaV M-series Traditional I/O
Wiring role	Field signal termination
Card relationship	Keyed to the assigned I/O card
Maintenance	No calibration
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FEATURE INTERPRETATION

Product identity

Provides screw-terminal access for field conductors.

System role

Plugs directly onto the matching DeltaV I/O carrier position.

Service context

Uses rotary keying to prevent an incompatible card connection.

Return-to-service focus

Allows electronics replacement while retaining field termination control.

SIGNAL OR CONTROL PATH

Field connection → **I/O module** → **Rack interface** → **Monitor channel**

KJ4001X1-CA1 12P0623X062 must remain matched to its documented system interface, mating hardware and controlled configuration.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which component type applies to KJ4001X1-CA1 12P0623X062?	The documented component type is Standard I/O termination 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.

Analog field loops

Terminates the wiring for a compatible analog card.

Discrete field circuits

Provides the cabinet interface for compatible discrete I/O.

Maintenance replacement

Keeps conductor identity organized during card service.

DCS cabinet marshalling

Forms the last DeltaV termination point before field cable routing.

APPLICATION VERIFICATION MAP

Analog field loops	Confirm the documented system position and the required operating function.
Discrete field circuits	Compare the restored connection or control path with the approved record.
Maintenance replacement	Check the physical interface and the retained configuration before startup.
DCS cabinet marshalling	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 wiring role should be checked on KJ4001X1-CA1 12P0623X062?	The documented wiring role is Field signal termination.
Why does card relationship matter when selecting KJ4001X1-CA1 12P0623X062?	The documented card relationship is Keyed to the assigned I/O card.
Where does KJ4001X1-CA1 12P0623X062 use its stated maintenance?	The documented maintenance is No calibration.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Match both identifiers before work.
02	Record all terminal numbers and conductor labels.
03	Remove field power before changing wiring.
04	Preserve rotary key positions.
05	Inspect screw terminals and connector pins.
06	Keep shields and commons in their documented positions.
07	Check every used channel for correct continuity.
08	Verify I/O values and diagnostics before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which component type applies to KJ4001X1-CA1 12P0623X062?	The documented component type is Standard I/O termination block.
How is KJ4001X1-CA1 12P0623X062 specified for system family?	The documented system family is DeltaV M-series Traditional I/O.
What wiring role should be checked on KJ4001X1-CA1 12P0623X062?	The documented wiring role is Field signal termination.
Why does card relationship matter when selecting KJ4001X1-CA1 12P0623X062?	The documented card relationship is Keyed to the assigned I/O card.

IMPORTANT NOTICE	Confirm the complete KJ4001X1-CA1 12P0623X062 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 KJ4001X1-CA1 12P0623X062 use its stated maintenance?	The documented maintenance is No calibration.
What value is documented for the installation of KJ4001X1-CA1 12P0623X062?	The documented installation is Direct plug-on terminal block.
Which records should be retained before removing KJ4001X1-CA1 12P0623X062?	Record the complete marking, installed position, wiring, keying and controlled configuration before removal.
Which acceptance checks should follow installation of KJ4001X1-CA1 12P0623X062?	Verify physical engagement, channel status, diagnostics and the intended signal or communication response before release.

CONFIGURATION CONTROL RECORD

Configuration identity	Emerson KJ4001X1-CA1 12P0623X062
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 KJ3002X1-BG2 12P1731X032	Related product reference. Review the complete ordering string before selection.
Emerson KJ3002X1-BE1 12P0682X052	Related product reference. Compare the required interface and system position.
Emerson KJ3203X1-BA1 12P3270X032	Related product reference. Confirm the execution independently for the intended task.

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