Emerson KJ4001X1-HC1 12P0831X072

Complete Product Information

Emerson KJ4001X1-HC1 12P0831X072 is a localbus left extender for extending DeltaV LocalBus power and signals between compatible carriers in the DeltaV M-series I/O subsystem.

WHAT THIS PRODUCT DOES

Emerson KJ4001X1-HC1 12P0831X072 is a localbus left extender for extending DeltaV LocalBus power and signals between compatible carriers in the DeltaV M-series I/O subsystem.

Product characteristic 1

Extends the LocalBus path into the left side of a compatible carrier section.

Product characteristic 2

Carries bus communication and power between controlled carrier segments.

Product characteristic 3

Works with the matching extender cable and opposite-side hardware.

Product characteristic 4

Requires a de-energized system before carrier or extender disconnection.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Component type	LocalBus left extender
System family	DeltaV M-series
Bus role	Carrier-to-carrier LocalBus extension
Bus services	LocalBus communication and power continuity
Installation control	System power removed before disconnection
Maintenance	No calibration

IMPORTANT NOTICE

Match the complete KJ4001X1-HC1 12P0831X072 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	LocalBus left extender
System family	DeltaV M-series
Bus role	Carrier-to-carrier LocalBus extension
Bus services	LocalBus communication and power continuity
Installation control	System power removed before disconnection
Maintenance	No calibration

FEATURE INTERPRETATION

Product identity

Extends the LocalBus path into the left side of a compatible carrier section.

System role

Carries bus communication and power between controlled carrier segments.

Service context

Works with the matching extender cable and opposite-side hardware.

Return-to-service focus

Requires a de-energized system before carrier or extender disconnection.

SIGNAL OR CONTROL PATH

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

KJ4001X1-HC1 12P0831X072 must remain matched to its documented system interface, mating hardware and controlled configuration.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which component type applies to KJ4001X1-HC1 12P0831X072?	The documented component type is LocalBus left extender.

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.

Multi-carrier DeltaV cabinets

Links adjacent or separated I/O carrier sections.

Cabinet layout expansion

Routes the LocalBus to an additional controlled carrier group.

Carrier service replacement

Provides the left-end interface for the documented extender assembly.

Hazardous-area cabinets

Supports installations governed by the applicable DeltaV instructions.

APPLICATION VERIFICATION MAP

Multi-carrier DeltaV cabinets	Confirm the documented system position and the required operating function.
Cabinet layout expansion	Compare the restored connection or control path with the approved record.
Carrier service replacement	Check the physical interface and the retained configuration before startup.
Hazardous-area cabinets	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 bus role should be checked on KJ4001X1-HC1 12P0831X072?	The documented bus role is Carrier-to-carrier LocalBus extension.
Why does bus services matter when selecting KJ4001X1-HC1 12P0831X072?	The documented bus services is LocalBus communication and power continuity.
Where does KJ4001X1-HC1 12P0831X072 use its stated installation control?	The documented installation control is System power removed before disconnection.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Match both identifiers and installed carrier side.
02	Record cable routing and both extender endpoints.
03	De-energize system power before disconnection.
04	Do not exceed the documented total LocalBus extension boundary.
05	Inspect cable connectors and carrier retention.
06	Keep inter-enclosure routing in the approved conduit system.
07	Verify LocalBus power and communication after energization.
08	Confirm every downstream I/O card returns without diagnostics.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which component type applies to KJ4001X1-HC1 12P0831X072?	The documented component type is LocalBus left extender.
How is KJ4001X1-HC1 12P0831X072 specified for system family?	The documented system family is DeltaV M-series.
What bus role should be checked on KJ4001X1-HC1 12P0831X072?	The documented bus role is Carrier-to-carrier LocalBus extension.
Why does bus services matter when selecting KJ4001X1-HC1 12P0831X072?	The documented bus services is LocalBus communication and power continuity.

IMPORTANT NOTICE	Confirm the complete KJ4001X1-HC1 12P0831X072 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-HC1 12P0831X072 use its stated installation control?	The documented installation control is System power removed before disconnection.
What value is documented for the maintenance of KJ4001X1-HC1 12P0831X072?	The documented maintenance is No calibration.
Which records should be retained before removing KJ4001X1-HC1 12P0831X072?	Record the complete marking, installed position, wiring, keying and controlled configuration before removal.
Which acceptance checks should follow installation of KJ4001X1-HC1 12P0831X072?	Verify physical engagement, channel status, diagnostics and the intended signal or communication response before release.

CONFIGURATION CONTROL RECORD

Configuration identity	Emerson KJ4001X1-HC1 12P0831X072
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 PR6423/004-111 CON041	Related product reference. Review the complete ordering string before selection.
Emerson PR6423/00R-111 CON041	Related product reference. Compare the required interface and system position.
Emerson PR6423/012-100 CON011	Related product reference. Confirm the execution independently for the intended task.

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