Emerson

KJ3001X1-CB1 12P1985X062

DeltaV 32-Channel 24 V DC High-Side Discrete Output Card

This reference defines the engineering boundary of KJ3001X1-CB1 12P1985X062 using manufacturer-authored technical evidence and the exact supplied identity.

System position

Exact identity	System family	Functional role	Release basis
KJ3001X1-CB1 12P1985X062	DeltaV M-series Traditional I/O	Discrete Output Card	Recorded test and diagnostics

Control the identity boundary

Treat KJ3001X1-CB1 12P1985X062, its documented DeltaV 32-Channel 24 V DC High-Side Discrete Output Card role and the receiving DeltaV M-series Traditional I/O position as one controlled identity.

IDENTITY / RESOURCE	DOCUMENTED VALUE
Exact model	KJ3001X1-CB1 12P1985X062
I/O function	Discrete output
Channels	32
Output type	24 V DC high side
Key position	B4
Operating temperature	0 to +60 °C

Technical evidence record: Emerson-authored DeltaV scalable process system Zone 2 installation instruction

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Interfaces and integration

Trace the installed signal path

Integration review proceeds through mechanical, electrical, configuration and diagnostic interfaces before a replacement decision is released.

Exact model	KJ3001X1-CB1 12P1985X062
I/O function	Discrete output
Channels	32

Define the receiving position

The host review links the physical slot, companion hardware and retained engineering revision to the offered item.

Host	DeltaV M-series Traditional I/O
Primary role	switching thirty-two 24 V DC high-side field-output
Acceptance	Recorded diagnostic response

Interface control matrix

CONTROL BAND	VERIFICATION RECORD
Identity	Model, designation and complete label
Mechanical	Position, seating and retention
Electrical	Loop supply and field conductors
Processing	Range, limits and correction
Supervision	Supply, range and wire-break states
Release	Controlled test with retained result

Configuration ownership

Keep assigned channel values under the approved project record.

Acceptance ownership

Name the retained result that authorizes handover of the measurement path.

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Technical resource bands

Only capabilities tied to the exact execution appear here; operating assignments remain configuration-controlled.

PARAMETER	VALUE
Exact model	KJ3001X1-CB1 12P1985X062
I/O function	Discrete output
Channels	32
Output type	24 V DC high side
Key position	B4

PARAMETER	VALUE
Operating temperature	0 to +60 °C
Field circuit classification	Non-sparking
Terminal execution	Match the installed 32-channel termination
Configuration rule	Restore each output from the approved control
Acceptance	Command, field voltage, load response and safe

Label decision

Accept the stated part number only when the complete installed identity agrees.

Circuit decision

Confirm the recorded field-circuit arrangement before reconnecting any loop.

Processing decision

Restore channel processing from the approved project rather than a neighboring position.

Evidence decision

Use diagnostic observations and a controlled response to support final handover.

Engineering boundary

A similar faceplate or matching channel total does not prove interchangeability. Resolve the host position, connection scheme and controlled revision before use.

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Controls and service logic

Identity control

Preserves the complete KJ3001X1-CB1 12P1985X062 execution.

Host integration

Matches the installed DeltaV M-series Traditional I/O position.

Interface control

Retains power, signal, keying and protective connections.

Release control

Uses diagnostics and a functional test to close the work.

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Resolve label, designation and receiving position
2. Compare	Review circuit type, processing and supervision
3. Restore	Rebuild the recorded connection and configuration state
4. Demonstrate	Retain diagnostic and functional acceptance evidence

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Engineering decisions

Which measurement or output path is served by KJ3001X1-CB1 12P1985X062?

KJ3001X1-CB1 12P1985X062 is documented for switching thirty-two 24 V DC high-side field-output circuits.

What prevents a look-alike unit from replacing KJ3001X1-CB1 12P1985X062 without review?

Match the entire model string, the installed position, keying, terminal hardware and approved system record before changeout.

What plant function is assigned to KJ3001X1-CB1 12P1985X062?

The verified value for channels is 32.

How should the complete identity of KJ3001X1-CB1 12P1985X062 be checked before replacement?

Its function depends on the documented receiving position and connected hardware; similar appearance does not establish interchangeability.

Which documented value governs KJ3001X1-CB1 12P1985X062 field circuit classification?

Record the full label, host position, wiring, connected devices, active settings and as-found diagnostics before isolation.

Why does KJ3001X1-CB1 12P1985X062 require its recorded terminal or companion hardware?

Restore the documented interfaces, review diagnostics and functionally verify switching thirty-two 24 V DC high-side field-output circuits before release.

Related Apter Power pages

- Emerson KJ4005X1-BC1
- Emerson KJ3209X1-BA1 12P3905X012 VE4002S2T1B1
- Emerson KL4201X1-BA1

Technical evidence record: Emerson-authored DeltaV scalable process system Zone 2 installation instruction

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