Product dashboard

Emerson KJ3001X1-CA1 12P1980X062 is a 32-channel 24 V DC dry-contact discrete-input card. The manufacturer instruction identifies B3 keying and a controlled 0 to +60 °C operating range for this legacy execution.

Exact model	Product type	System family	Functional role
KJ3001X1-CA1 12P1980X062	DeltaV 32-Channel 24 V DC Dry-Contact Discrete	DeltaV M-series Traditional I/O	Discrete Input Card

PARAMETER	DOCUMENTED VALUE
Exact model	KJ3001X1-CA1 12P1980X062
I/O function	Discrete input
Channels	32
Input type	24 V DC dry contact
Key position	B3
Operating temperature	0 to +60 °C
Field circuit classification	Non-sparking
Terminal execution	Match the installed 32-channel termination arrangement

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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KJ3001X1-CA1 12P1980X062

System overview

KJ3001X1-CA1 12P1980X062 concentrates thirty-two dry-contact states in one keyed DeltaV position, making channel mapping and the common field-power arrangement central to replacement acceptance.

Exact-position replacement

Matches KJ3001X1-CA1 12P1980X062 to the recorded host, position and companion hardware before changeout.

Interface restoration

Rebuilds the documented power, signal, keying and protective interfaces for KJ3001X1-CA1 12P1980X062.

Configuration-controlled service

Restores assignments and settings from the approved record instead of borrowing them from a neighboring device.

Acceptance and handover

Confirms diagnostics and a controlled functional response from KJ3001X1-CA1 12P1980X062 before release.

SYSTEM POSITION	RECORD
Installed identity	KJ3001X1-CA1 12P1980X062
Host relationship	DeltaV M-series Traditional I/O
Controlled function	acquisition of thirty-two 24 V DC dry-contact field states

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Technical data map

PARAMETER	VERIFIED VALUE
Exact model	KJ3001X1-CA1 12P1980X062
I/O function	Discrete input
Channels	32
Input type	24 V DC dry contact
Key position	B3
Operating temperature	0 to +60 °C
Field circuit classification	Non-sparking
Terminal execution	Match the installed 32-channel termination arrangement
Configuration rule	Restore each channel from the approved point list
Acceptance	Field contact state, channel indication and controller logic verified

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	acquisition of thirty-two 24 V DC dry-contact field states

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

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Applications and precautions

1. Confirm the complete KJ3001X1-CA1 12P1980X062 marking and documented hardware role before work.
2. Place the connected process and controller hardware in the approved maintenance state.
3. Record the host position, companion parts, cable direction, terminal assignments and active configuration.
4. Isolate every documented power, signal and stored-energy source before disconnecting hardware.
5. Protect keyed connectors, electronic contacts and labeled field conductors during handling.
6. Restore only the recorded power, wiring, grounding, shielding and configuration arrangement.
7. Energize in a controlled sequence and review device, carrier, controller and field diagnostics.
8. Function-test acquisition of thirty-two 24 V DC dry-contact field states and retain the acceptance record before service release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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KJ3001X1-CA1 12P1980X062

Buyer and engineering FAQ

How does KJ3001X1-CA1 12P1980X062 separate product capability from site-specific settings?

KJ3001X1-CA1 12P1980X062 is documented for acquisition of thirty-two 24 V DC dry-contact field states.

What must remain unchanged when KJ3001X1-CA1 12P1980X062 is moved into the approved position?

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

Which diagnostic review is appropriate after energizing KJ3001X1-CA1 12P1980X062?

The verified value for channels is 32.

Why is the suffix in KJ3001X1-CA1 12P1980X062 part of the controlled identity?

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

Related Apter Power pages

- Emerson FBM205-P0914XG
- Emerson 9191-FP
- Emerson KJ4006X1-BP1

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