Product dashboard

Emerson KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 is a 32-channel 24 V DC dry-contact discrete-input assembly using the documented standard termination execution. It uses a common return and a 32-screw terminal block.

Exact model	Product type	System family	Functional role
KJ3203X1-BA1 12P3270X022	DeltaV 32-Channel 24 V DC Dry-Contact Discrete	DeltaV M-series Traditional I/O	Discrete Input Assembly

PARAMETER	DOCUMENTED VALUE
Exact assembly	KJ3203X1-BA1 12P3270X022 VE4001S2T2B4
I/O function	Discrete input
Channels	32
Input type	24 V DC dry contact
Detection level for on	>2 mA
Detection level for off	<0.25 mA
Input impedance	Approximately 5 kΩ
LocalBus current	50 mA typical; 75 mA maximum at 12 V DC nominal

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

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

KJ3203X1-BA1 12P3270X022 V

System overview

The complete KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 identity keeps the dense input card, standard termination block and recorded field-contact assignments together as one serviceable position.

Exact-position replacement

Matches KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 to the recorded host, position and companion hardware before changeout.

Interface restoration

Rebuilds the documented power, signal, keying and protective interfaces for KJ3203X1-BA1 12P3270X022 VE4001S2T2B4.

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 KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 before release.

SYSTEM POSITION	RECORD
Installed identity	KJ3203X1-BA1 12P3270X022 VE4001S2T2B4
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 assembly	KJ3203X1-BA1 12P3270X022 VE4001S2T2B4
I/O function	Discrete input
Channels	32
Input type	24 V DC dry contact
Detection level for on	>2 mA
Detection level for off	<0.25 mA
Input impedance	Approximately 5 kΩ
LocalBus current	50 mA typical; 75 mA maximum at 12 V DC nominal
Field circuit power	150 mA at 24 V DC
Return	Common return
Termination	32-screw standard termination block
Isolation	Each channel optically isolated from the system; 1500 V DC factory test

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 DeltaV M-series Traditional I/O product data sheet, March 2026

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Applications and precautions

1. Confirm the complete KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 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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KJ3203X1-BA1 12P3270X022 V

Buyer and engineering FAQ

What plant function is assigned to KJ3203X1-BA1 12P3270X022 VE4001S2T2B4?

KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 is documented for acquisition of thirty-two 24 V DC dry-contact field states.

How should the complete identity of KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 be checked before replacement?

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

Which documented value governs KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 detection level for on?

The verified value for channels is 32.

Why does KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 require its recorded terminal or companion hardware?

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

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