Emerson

KJ3203X1-BA1 12P3270X022 VE4001S2T2B4

DeltaV 32-Channel 24 V DC Dry-Contact Discrete Input Assembly

This reference defines the engineering boundary of KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 using manufacturer-authored technical evidence and the exact supplied identity.

System position

Exact identity	System family	Functional role	Release basis
KJ3203X1-BA1 12P3270X022	DeltaV M-series Traditional I/O	Discrete Input Assembly	Recorded test and diagnostics

Control the identity boundary

Treat KJ3203X1-BA1 12P3270X022 VE4001S2T2B4, its documented DeltaV 32-Channel 24 V DC Dry-Contact Discrete Input Assembly role and the receiving DeltaV M-series Traditional I/O position as one controlled identity.

IDENTITY / RESOURCE	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

Technical evidence record: Emerson DeltaV M-series Traditional I/O product data sheet, March 2026

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

KJ3203X1-BA1 12P3270X022 V

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 assembly	KJ3203X1-BA1 12P3270X022
I/O function	Discrete input
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	acquisition of thirty-two 24 V DC dry-contact field states
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.

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

KJ3203X1-BA1 12P3270X022 V

Technical resource bands

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

PARAMETER	VALUE
Exact assembly	KJ3203X1-BA1 12P3270X022
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

PARAMETER	VALUE
Input impedance	Approximately 5 kΩ
LocalBus current	50 mA typical; 75 mA maximum at 12 V DC
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;

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.

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

KJ3203X1-BA1 12P3270X022 V

Controls and service logic

Identity control

Preserves the complete KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 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

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

KJ3203X1-BA1 12P3270X022 V

Engineering decisions

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.

What evidence should be captured before removing KJ3203X1-BA1 12P3270X022 VE4001S2T2B4?

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

How can technicians prove that KJ3203X1-BA1 12P3270X022 VE4001S2T2B4 was restored correctly?

Restore the documented interfaces, review diagnostics and functionally verify acquisition of thirty-two 24 V DC dry-contact field states before release.

Related Apter Power pages

- Related industrial automation product
- Related industrial automation product
- Related industrial automation product

Technical evidence record: Emerson DeltaV M-series Traditional I/O product data sheet, March 2026

CONTACT APTER POWER

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com

KJ3203X1-BA1 12P3270X022 V