Emerson

VE4002S1T1B2 KJ3001X1-BG1 12P0557X162

DeltaV 8-Channel 24 V DC Isolated Discrete Output Assembly

This reference defines the engineering boundary of VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 and separates documented product resources from site-specific assignments. It supports exact-model review, controlled replacement and evidence-based handover.

System position

Exact identity	System family	Functional role	Release basis
VE4002S1T1B2 KJ3001X1-BG1	DeltaV M-series Traditional I/O	Discrete Output Assembly	Recorded test and diagnostics

Control the identity boundary

Treat the complete VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 marking, the DeltaV 8-Channel 24 V DC Isolated Discrete Output Assembly designation and the receiving DeltaV M-series Traditional I/O position as one controlled identity.

IDENTITY / RESOURCE	DOCUMENTED VALUE
Exact assembly	VE4002S1T1B2 KJ3001X1-BG1 12P0557X162
I/O function	Isolated discrete output
Channels	8
Field signal	24 V DC class
Output range	2 to 60 V DC
Output rating	1.0 A per channel

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

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Interfaces and integration

Trace the installed signal path

Integration review proceeds from the receiving position through mechanical, electrical and configuration interfaces before any replacement decision is released.

Exact assembly	VE4002S1T1B2 KJ3001X1-BG1
I/O function	Isolated discrete output
Channels	8

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 eight isolated DC field-output circuits through
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 assembly	VE4002S1T1B2 KJ3001X1-BG1
I/O function	Isolated discrete output
Channels	8
Field signal	24 V DC class
Output range	2 to 60 V DC
Output rating	1.0 A per channel

PARAMETER	VALUE
Isolation	1500 V DC factory test from system and between
LocalBus current	100 mA typical; 150 mA maximum at 12 V DC
Termination	Fused I/O termination block
Key position	B5
Configured modes	Discrete, momentary or continuous pulse
Calibration	Not required

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 VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 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

What is the documented role of VE4002S1T1B2 KJ3001X1-BG1 12P0557X162?

It is identified as a deltav 8-channel 24 v dc isolated discrete output assembly used for switching eight isolated DC field-output circuits through fused

Why must the complete VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 identity be retained?

The full model and suffix distinguish the installed execution from similar-looking revisions and related hardware.

Which value is documented for VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 i/o function?

The verified product record gives i/o function as Isolated discrete output.

How is channels specified for VE4002S1T1B2 KJ3001X1-BG1 12P0557X162?

The verified product record gives channels as 8.

What does VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 field signal?

The verified product record gives field signal as 24 V DC class.

Which setting applies to VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 output range?

The verified product record gives output range as 2 to 60 V DC.

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

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