Product dashboard

Emerson VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 is an eight-channel isolated 24 V DC discrete-output assembly with fused I/O termination. It supports controlled DC load switching while retaining channel-to-channel and system isolation.

Exact model	Product type	System family	Functional role
VE4002S1T1B2 KJ3001X1-BG1	DeltaV 8-Channel 24 V DC Isolated Discrete	DeltaV M-series Traditional I/O	Discrete Output Assembly

PARAMETER	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
Isolation	1500 V DC factory test from system and between channels
LocalBus current	100 mA typical; 150 mA maximum at 12 V DC nominal

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

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VE4002S1T1B2 KJ3001X1-BG1

System overview

VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 combines the legacy output card identity with the fused termination execution documented for isolated DC field loads.

Exact-position replacement

Matches VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 to the recorded host, position and companion hardware before changeout.

Interface restoration

Rebuilds the documented power, signal, keying and protective interfaces for VE4002S1T1B2 KJ3001X1-BG1 12P0557X162.

Configuration-controlled service

Restores settings and assignments from the approved record rather than a neighboring module.

Acceptance and handover

Confirms diagnostics and the controlled functional response of VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 before release.

SYSTEM POSITION	RECORD
Installed identity	VE4002S1T1B2 KJ3001X1-BG1 12P0557X162
Host relationship	DeltaV M-series Traditional I/O
Controlled function	switching eight isolated DC field-output circuits through fused termination

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Technical data map

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

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	switching eight isolated DC field-output circuits through fused termination

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

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VE4002S1T1B2 KJ3001X1-BG1

Applications and precautions

1. Confirm the complete VE4002S1T1B2 KJ3001X1-BG1 12P0557X162 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 module, carrier, controller and field diagnostics.
8. Function-test switching eight isolated DC field-output circuits through fused termination 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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VE4002S1T1B2 KJ3001X1-BG1

Buyer and engineering FAQ

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 termination.

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.

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