Emerson KJ2002X1-BA1 12P1442X042 VE3002

TECHNICAL REFERENCE / EXACT-MODEL ENGINEERING DOSSIER

Emerson KJ2002X1-BA1 12P1442X042 VE3002 is a deltav m3 controller module identified for the Emerson DeltaV M-series controller platform. The complete order code, hardware execution and installed configuration must be matched together before replacement.

01 Product position

Complete identity	KJ2002X1-BA1 12P1442X042 VE3002
Engineering role	DeltaV M3 Controller Module
System context	Emerson DeltaV M-series controller platform
Evidence boundary	The exact identity establishes the supplied M3 controller assembly; project and redundancy details remain installation-specific.

Decision snapshot

Identity control

Compare KJ2002X1-BA1 12P1442X042 VE3002 with the installed label and the applicable Emerson documentation.

Interface control

Photograph and label the carrier, terminals, cables and keying before removal.

Configuration control

Archive the applicable Emerson DeltaV M-series controller platform project or hardware settings before replacement.

Acceptance control

Use an approved functional test and retain the as-left diagnostic and acceptance evidence.

02 Verified technical data

The exact identity establishes the supplied M3 controller assembly; project and redundancy details remain installation-specific.

Complete order code	KJ2002X1-BA1 12P1442X042 VE3002
Equipment role	DeltaV M3 Controller Module
System context	Emerson DeltaV M-series controller platform
Module number	KJ2002X1-BA1
Part number	12P1442X042
Assembly code	VE3002
Controller role	M3 controller module
Replacement boundary	Preserve project, node identity and redundancy arrangement

Installed-system relationship

The complete KJ2002X1-BA1 12P1442X042 VE3002 marking identifies the offered deltav m3 controller module. Record the removed assembly label, its host position and the connected hardware before work starts so that the supplied item is compared with the actual installed boundary rather than with a shortened family name.

Within the Emerson DeltaV M-series controller platform, this item must be evaluated together with its carrier, terminals, cables and project configuration. Preserve the as-found interface map and revision information; a mechanically similar item is not automatically an electrical or software equivalent.

03 Integration and diagnostic logic

Installed-system replacement

Compare the exact order code, host position and connected interfaces with the removed item.

Planned maintenance

Capture the as-found label, status and configuration before disturbing the installation.

Controlled commissioning	Spare qualification
Restore documented connections and prove the intended signal, communication or control response.	Keep revision, configuration and acceptance evidence with the spare-part record.

Fault-isolation starting points

What configuration boundary matters when commissioning KJ2002X1-BA1 12P1442X042 VE3002?	Use the approved Emerson DeltaV M-series controller platform project and the exact hardware or assembly revision. Do not treat physical fit as proof that the stored configuration and interface assignment are correct.
How can a suspected KJ2002X1-BA1 12P1442X042 VE3002 fault be separated from field wiring or carrier faults?	Check supply and reference conditions first, then inspect the carrier, connectors and external wiring. Move to a controlled substitution only after the upstream and downstream paths have been documented.
What should be verified after fitting KJ2002X1-BA1 12P1442X042 VE3002 to the installed system?	Confirm normal status indications, communication or signal continuity and the intended control response under an approved test state. Record the as-left state and compare it with the approved acceptance baseline.

04 Engineering questions and evidence

How should KJ2002X1-BA1 12P1442X042 VE3002 be identified before a replacement is approved?	Compare every token in the complete marking, the installed position and the documented deltav m3 controller module role. Confirm the KJ2002X1-BA1 12P1442X042 VE3002 marking and the installed Emerson DeltaV M-series controller platform position.
What installed-system evidence should be retained before removing KJ2002X1-BA1 12P1442X042 VE3002?	Record the slot or mounting position, connected interfaces, status indications and the current Emerson DeltaV M-series controller platform configuration. Photograph the complete label before disconnecting anything.
How should the interfaces for KJ2002X1-BA1 12P1442X042 VE3002 be checked during installation?	Map each connected interface to the as-found record and the applicable manufacturer documentation. Keep connector, keying and terminal assignments consistent with the as-found record.
What configuration boundary matters when commissioning KJ2002X1-BA1 12P1442X042 VE3002?	Use the approved Emerson DeltaV M-series controller platform project and the exact hardware or assembly revision. Do not treat physical fit as proof that the stored configuration and interface assignment are correct.
How can a suspected KJ2002X1-BA1 12P1442X042 VE3002 fault be separated from field wiring or carrier faults?	Check supply and reference conditions first, then inspect the carrier, connectors and external wiring. Move to a controlled substitution only after the upstream and downstream paths have been documented.
What should be verified after fitting KJ2002X1-BA1 12P1442X042 VE3002 to the installed system?	Confirm normal status indications, communication or signal continuity and the intended control response under an approved test state. Record the as-left state and compare it with the approved acceptance baseline.
Can KJ2002X1-BA1 12P1442X042 VE3002 be replaced by a similar-looking assembly?	No direct equivalence is established by appearance. Compare the complete order code, revision, interface execution and system configuration before approving an alternative.
What handover record is appropriate after work on KJ2002X1-BA1 12P1442X042 VE3002?	Retain the offered and removed markings, connection photographs, configuration record, diagnostic observations, functional test result and any unresolved exception.

Evidence and applicability

Complete DeltaV controller marking and Emerson DeltaV M-series controller documentation. The exact identity establishes the supplied M3 controller assembly; project and redundancy details remain installation-specific.

Acceptance evidence matrix

Complete marking	Record the offered and removed complete identities and revision evidence.
Physical interface	Retain carrier, connector, terminal and cable photographs.
Configuration	Archive the approved project, node, address or hardware-setting record as applicable.
Diagnostics	Save the initial and as-left status indications or diagnostic observations.
Functional proof	Record the approved test state, expected response and observed result.
Open exceptions	List unresolved interface, configuration or test exceptions before handover.

Technical notes

Evidence scope	The exact identity establishes the supplied M3 controller assembly; project and redundancy details remain installation-specific.
Installation boundary	The exact installed carrier, terminals, cables and project configuration remain site-specific.
Technical reference	Complete DeltaV controller marking and Emerson DeltaV M-series controller documentation

Discuss the complete marking with Apter Power
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Related product references

Catalogue navigation only; these references are not identified as substitutes or compatibility claims.

Emerson KJ3222X1-BA1 12P2532X122 VE4033S2B1

Emerson KJ3222X1-BA1 12P2532X112 VE4003S2B2

Emerson KJ3201X1-BA1 12P2535X042 VE4001S2T2B2