

KJ4001X1-BA2 VE3051C0 12P1562X012

DeltaV M-series 2-Wide Power and Controller Carrier

Emerson KJ4001X1-BA2 VE3051C0 12P1562X012 is a DeltaV M-series two-wide power and controller carrier. The official VE code is VE3051C0; the supplied VE3051CO spelling is retained as an

PRODUCT SNAPSHOT

BRAND
Emerson

FAMILY
DeltaV M-series Horizontal Carriers

PART
KJ4001X1-BA2 VE3051C0

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Emerson KJ4001X1-BA2 VE3051C0 12P1562X012 provides mounting and interconnection of the matched DeltaV M-series power supply and controller in a documented DeltaV M-series Horizontal Carriers installation.



Two-wide carrier format



Power-supply and controller positions



Horizontal carrier expansion



DeltaV M-series modular architecture

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SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented carrier position, keyed interfaces, field wiring and approved DeltaV configuration. Commissioning restores that architecture and verifies the affected function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	2-wide power and controller carrier	Carrier positions	Power supply and controller
Platform	DeltaV M-series	Mounting method	DIN-rail carrier subsystem
Current ordering code	VE3051C0	Expansion method	Horizontal carrier extender system
Legacy product type	KJ4001X1-BA2	Architecture	Modular M-series controller and I/O subsystem
Legacy part number	12P1562X012	Key installation requirement	Preserve controller, power and extender assignments

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TECHNICAL NOTE

Install KJ4001X1-BA2 VE3051C0 12P1562X012 only in the documented DeltaV M-series Horizontal Carriers arrangement. Preserve identity, keying, wiring and configuration, then verify diagnostics and mounting and interconnection of the matched DeltaV M-series power supply and controller under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Controller mounting

Provides the assigned position for the documented DeltaV controller.

System-power mounting

Supports the matched DeltaV power-supply arrangement.

Horizontal carrier expansion

Connects to the approved carrier-extender topology.

Cabinet reconstruction

Restores carrier order, connectors and controller-power relationships.

PRODUCT PRECAUTIONS

1

Verify the complete KJ4001X1-BA2 VE3051C0 12P1562X012 identity and the documented DeltaV

2

Place the connected process and DeltaV hardware in the approved maintenance state.

3

Isolate every documented power, signal and stored-energy source before disconnecting hardware.

4

Record the installed carrier position, keyed interfaces, terminals, conductors and active configuration.

5

Use ESD controls and protect keyed connectors, electronic contacts and field wiring during handling.

6

Restore only the exact documented power, wiring, grounding, shielding and DeltaV configuration.

7

Energize in a controlled sequence and review device, carrier, controller and process diagnostics.

8

Function-test mounting and interconnection of the matched DeltaV M-series power supply and controller

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ENGINEER FAQ

Q1 What hardware role is assigned to KJ4001X1-BA2 VE3051C0 12P1562X012?

It is the DeltaV M-series two-wide carrier for the system power supply and controller.

Q2 Why does KJ4001X1-BA2 VE3051C0 12P1562X012 use a two-wide format?

The carrier provides the matched positions and interconnections for the power and controller components.

Q3 Which current ordering code corresponds to KJ4001X1-BA2 VE3051C0 12P1562X012?

Emerson's current carrier product data sheet lists VE3051C0.

Q4 How must KJ4001X1-BA2 VE3051C0 12P1562X012 be positioned in the cabinet?

Retain the documented DIN-rail location, carrier sequence and relationship to adjacent I/O carriers.

Q5 Which connections should be recorded before removing KJ4001X1-BA2 VE3051C0 12P1562X012?

Record power inputs, controller position, LocalBus connections, extender direction and protective-earth arrangement.

Q6 Can an unverified extender arrangement be used with KJ4001X1-BA2 VE3051C0 12P1562X012?

No. Use only the carrier and extender topology documented for the installed DeltaV system.

Q7 What identity detail prevents a KJ4001X1-BA2 VE3051C0 12P1562X012 mismatch?

Check the complete legacy product type, legacy part number and current VE3051C0 carrier code against the installed record.

Q8 What proves KJ4001X1-BA2 VE3051C0 12P1562X012 is ready for service?

Confirm power, controller recognition, LocalBus communication, adjacent carrier status and controlled process response.

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SOURCE Emerson DeltaV M-series I/O Subsystem Horizontal Carriers product data sheet | Manufacturer evidence verified 29 September 2026

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