



Emerson KJ4001X1-CJ1 12P1902X032

DeltaV 32-Channel Terminal Block

Product scope

- Terminates thirty-two DeltaV traditional-I/O field channels.
- Uses rotary keying to prevent an incompatible I/O-card installation.
- Carries the documented 30 V DC, 1 A maximum terminal-block rating.
- Requires the complete 12P1902X032 label and carrier configuration to match.

Manufacturer source

Emerson ATEX Instruction Sheet D803007X012 for KJ4001X1-CJ1, published February 2003.

The enclosed record and retained manufacturer pages identify the exact product and explain its function, operating principle, application and critical matching requirements.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	Emerson KJ4001X1-CJ1 12P1902X032	

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Emerson KJ4001X1-CJ1 12P1902X032

DeltaV 32-Channel Terminal Block

Manufacturer-source product record

This record consolidates exact-model facts from the manufacturer references listed below. It is included to identify the ordering configuration before the retained source pages.

Base hardware	KJ4001X1-CJ1 32-channel terminal block
Catalog number	12P1902X032; verify on the supplied label
Terminal-block rating	30 V DC, maximum 1 A
Ambient range	0 to 60 deg C for the documented 2003 execution
Relative humidity	5 to 95%, noncondensing
Airborne contaminants	ISA-S71.04 G3
Protection	IP20
Shock	10 g half-sine, 11 ms
Hazardous-area marking	ATEX II 3 G, EEx nA IIC T4; Class I Division 2 groups A-D

Official references

- Emerson ATEX Instruction Sheet D803007X012 for KJ4001X1-CJ1, published February 2003.
- Manufacturer sheet retained as the base-hardware source; catalog number 12P1902X032 is controlled by the exact supplied label.

Only the exact configuration shown above is represented. Adjacent model variants, optional assemblies and system accessories are not treated as part of this ordering identity.

Function, operating principle and application

The notes below explain how this product is used and how its documented signal, power or control path operates. They remain limited to the manufacturer evidence for this model.

Termination function

The block provides thirty-two field-wiring positions for a compatible DeltaV traditional I/O assembly, creating a serviceable boundary between permanent plant wiring and the removable electronics.

Operating principle

Field signals enter through the terminal block and are passed to the matched I/O card through the keyed carrier connection. The terminal block does not execute control logic or alter the configured channel algorithm.

Keying protection

Rotary keying is used to prevent an incompatible I/O card from being installed on the carrier. Correct key positions and carrier type are therefore part of the safety and signal-integrity check.

Application

The assembly is used in DeltaV cabinets where high-density channel termination, orderly field wiring and replaceable I/O electronics are required.

Exact-order check

The Emerson sheet verifies the KJ4001X1-CJ1 base hardware. The complete 12P1902X032 catalog number must also match the item label, carrier, channel type and project drawing before replacement.

ATEX Instruction Sheet
Part Number: D803007X012
Publish date: February, 2003

32 Channel Terminal Block

KJ4001X1-CJ1 32 Channel Terminal Block

Hazardous Atmosphere



II 3 G

Nemko No. 02ATEX431U
EEx nA IIC T4

Power Specifications

Voltage rating 30 VDC
Maximum current 1 A

Environmental Specifications

Ambient Temperature 0 to 60° C
Shock 10g ½ Sinewave for 11 msec
Vibration 1mm Peak to Peak from 5 to 16Hz;
0.5g from 16 to 150Hz
Airborne Contaminants ISA-S71.04 –1985 Airborne
Contaminants Class G3
Relative Humidity 5 to 95% Non-Condensing IP 20
Rating

Note: Refer to the product label for serial number and location and date of manufacture.

Warning: This product has specific instructions for installation, removal and operation in hazardous areas. Refer to document 12P2046 "DeltaV™ Scalable Process System Zone 2 Installation Instructions". Other installation instructions are available in the "Installing Your DeltaV Automation System" manual.

Removal and Insertion

A rotary keying system ensures compatibility between I/O cards and terminal blocks after installation is complete. This terminal block must have the keys set for the I/O card it is to be used with.

Maintenance and Adjustment

This unit contains no user serviceable parts and should not be disassembled for any reason. Calibration is not required.

Other Safety Approvals



APPROVED

CL. I Div. 2
GP.A,B,C,D
HAZ.LOC.
TEMP. Rating T4



LR87534

Emerson Process Management
Austin, Texas





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