# Emerson KJ4001X1-CJ1 12P1902X062

## DeltaV 32-Channel Terminal Block



Emerson KJ4001X1-CJ1 12P1902X062 is a 32-channel terminal block for a DeltaV I/O assembly. It provides the field-circuit termination component used with the appropriate I/O card, keeping the connection hardware distinct from the signal-processing electronics. The 32-channel arrangement is important when identifying the required spare, because DeltaV offers terminal blocks for different channel counts and functions. Match the complete KJ and 12P identification with the existing assembly so that the replacement retains the required terminal-block arrangement and corresponding I/O interface.

## Technical Specifications

| | |
|---|---|
| **Product Identity** | |
| Manufacturer | Emerson |
| Complete identification | KJ4001X1-CJ1 12P1902X062 |
| Product type | 32-Channel Terminal Block |
| Control platform | DeltaV |
| **Functional Configuration** | |
| Powered removal / insertion | Not permitted |
| Calibration | Not required |
| **Performance & Power** | |
| Electrical rating | 30 VDC, 1 A |
| **Environment** | |
| Ambient temperature | -40 to +70 °C; November 2021 instruction-sheet scope |
| Relative humidity | 5 to 95%, noncondensing |
| Airborne contaminants | ISA-S71.04-1985 Class G3 |
| Shock | 10 g half-sine, 11 ms |
| Vibration | 1 mm peak-to-peak, 2 to 13.2 Hz; 0.7 g, 13.2 to 150 Hz |

Selected original manufacturer material follows on page 3.

## Compatibility & Selection Guide

System compatibility. KJ4001X1-CJ1 12P1902X062 belongs to the DeltaV hardware system. Emerson refers users to the applicable DeltaV hardware and Zone 2 documentation for the installation context. Confirm the receiving I/O card, terminal-block arrangement and required revision against the project documentation; the shared DeltaV name alone does not establish interchangeability.

## Wiring & Installation Reference

### Removal and installation

1. De-energize the system. Do not remove or insert this terminal block with system power energized.

2. Follow the applicable DeltaV instructions. Use the project wiring documentation and the manufacturer hardware and Zone 2 installation instructions.

### Installation precautions

The terminal block contains no user-serviceable parts. Do not disassemble it.

Calibration is not required. Verify the actual equipment label and installation environment before commissioning.

View terminal-block reference (PDF) — page 3 · View installation precautions (PDF) — page 3

**ATEX Instruction Sheet**
**Part Number: ATEX261**
**Publication date: November 2021**



# KJ4001X1-CJ1 32-Channel Terminal Block

## Hazardous Atmosphere

II 3G Ex ec IIC Gc
FM18ATEX0076U
IECEx FMG 18.0030U
FM21UKEX0199U

CL. I Div. 2 GP. A,B,C,D
CL. I Zone 2 AEx/Ex ec IIC T4 Gc
FM18US0277U
FM19CA0005U

## Power Specifications

| | |
|---|---|
| Input Power Rating | 30 VDC @ 1 A |

## Environmental Specifications

| | |
|---|---|
| Ambient Temperature | -40 °C to +70 °C |
| Shock | 10 g half-sine wave for 11 ms |
| Vibration | 1 mm peak to peak from 2 to 13.2 Hz; 0.7 g from 13.2 to 150 Hz |
| Airborne Contaminants | ISA-S71.04 –1985 Airborne Contaminants Class G3 |
| Relative Humidity | 5 to 95% non-condensing |

**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™ Electronic Marshalling Digital Automation System (CHARM I/O Subsystem) Zone 2 Installation Instructions".* Other installation instructions are available in the *"DeltaV™ S-Series and CHARMs Hardware Installation"* manual.

## Removal and Insertion

This unit cannot be removed or inserted with system power energized.

## 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

LR 108860