

# KJ3206X1-BK1 S-Series DI 8-Channel 24 VDC, Isolated Card

## Hazardous Atmosphere



Nemko No. 11ATEX3029U

Ex nA IIC T4 Gc

## Power Specifications

LocalBus power rating 12 VDC at 100 mA

Field circuit rating 24 VDC at 6 mA/channel

## Environmental Specifications

Ambient Temperature -40 to 70° 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

Terminal block key position B2

**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 12P5404 "*DeltaV™ S-Series Digital Automation System Zone 2 Installation Instructions*". Other installation instructions are available in the "*DeltaV™ S-series and CHARMS Hardware Installation*" manual.

## Removal and Insertion

This unit may be removed or inserted while system power is energized under the following conditions:

**Note:** Only one unit at a time may be removed or inserted with system power energized.

- When used with KJ1501X1-BK1 System DC/DC Power Supply operating on 24 VDC input power with primary circuit wiring inductance less than 23 uH, or a certified bulk power supply with an open circuit voltage, Uo of 12.6 VDC and an Lo of less than 23 uH (including wire inductance).
- When field power supplied to this device, either at the field terminal or as bussed field power through the carriers is de-energized.
- When non-sparking field circuits are de-energized.

A terminal block fuse may NOT be removed with field power energized for non-sparking circuits.

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

## 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



CL. 1 Div. 2  
GP. A,B,C,D  
HAZ. LOC.  
TEMP. Rating T4

