

# KJ3203X1-BK1 S-Series DI 32-Channel 24 VDC Dry Contact Card

## Hazardous Atmosphere



Nemko No. 11ATEX3029U

Ex nA IIC T4 Gc

## Power Specifications

LocalBus power rating	12 VDC at 75 mA
Bussed field power rating	24 VDC at 150 mA
Field circuit rating	24 VDC at 5 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	B3

**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 carrier 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

