

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

