

# KJ3211X1-BA1 Series 2 SOE Card

## Hazardous Atmosphere



II 3 G

Nemko 02ATEX431U

EEx nA IIC

## Power Specifications

|                           |                        |
|---------------------------|------------------------|
| LocalBus power rating     | 12 VDC at 100 mA       |
| Bussed field power rating | 24 VDC at 75 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;<br>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 | C5  |

**Note:** Refer to the product label for serial number and location and date of manufacture. Refer also to the wiring diagram on the left side of the card.

**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

Field power supplied to this device, either at the field terminal or as bussed field power through the carrier, must be removed before removing or connecting the device.

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 with system power energized.)

- When used with KJ1501X1-BC1 System Dual DC/DC Power Supply operating on 24 VDC or 12 VDC input power. The primary circuit wiring inductance for input power must be less than 23 uH, or a certified supply with an open circuit voltage,  $U_i$  of 12.6 VDC and an  $L_o$  of less than 23 uH (including wire inductance).
- Non sparking field circuits **MUST** be de-energized before removing and inserting this product.

## 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. I Div. 2  
GP. A, B, C, D  
HAZ. LOC.

APPROVED TEMP. Rating T4



LR87534