

KJ3221X1-BK1 AO 8-Channel 4-20 mA HART Card

Hazardous Atmosphere



Nemko No. 10ATEX3225U

Ex nA nL IIC T4 Gc

Power Specifications

LocalBus power rating	12 VDC at 150 mA
Bussed field power rating	24 VDC at 300 mA
Field circuit rating	24 VDC at 23 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	A4

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

When system power is energized, an I/O card can be removed or inserted only when used with the KJ1501X1-BK1 System DC/DC Power Supply operating on 24 VDC input power with primary circuit

wiring inductance of less than 23 uH, or with a certified bulk power supply with an open circuit voltage U_o of 12.6 VDC and an L_o of less than 23 uH (including wire inductance).

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

An I/O loop assessment must be completed on all energy-limited nodes.

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

