KJ3222X1-BK1   AI 8-Channel 4-20 mA HART Card

Hazardous Atmosphere

 II 3 G

Ex nA IIC Gc (4-Wire)
Ex nA [nL] IIC Gc (2-Wire)
Ex nA [ic] IIC Gc (2-Wire)
FM13ATEX0034U
IECEx FMG 13.0015U

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 30 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	A1

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 Uo of 12.6 VDC and an Lo of less than 23 uH (including wire inductance).

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

In 4-wire mode, the following additional conditions must be met to insert or remove this I/O card with system power energized:

- 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.

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

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

EMERSON™
Process Management