

KJ3231X1-BA1 Isolated Input Card

Hazardous Atmosphere



II 3G Ex nA IIC Gc
FM12ATEX0090U
IECEX FMG 12.0035U
II 3G EEx nL IIC
Nemko 02ATEX431U

Power Specifications

Local Bus Power 12 VDC at 350 mA

Environmental Specifications

Ambient Temperature -40°C to +70°C

Shock 10g ½ Sinewave for 11msec

Vibration 1mm Peak to Peak from 2 to 13.2Hz;
0.7g from 13.2 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 C2

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 12P2046 "*DeltaV™ Scalable Process System Zone 2 Installation Instructions*". Other installation instructions are available in the "*DeltaV™ M-Series Hardware Installation and Reference*" manual.

Removal and Insertion

This unit cannot be removed or inserted with system power energized unless the area is known to be non-hazardous and only one unit at a time may be removed or inserted.

For "nL" installation, 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 I Div. 2 GP.A,B,C,D T4