

# KJ2231X1-EB1 Voltage Monitor

## Hazardous Atmosphere



Nemko No. 02ATEX431U  
EEx nA IIC T4

## Power Specifications

Input power            24 VDC, 6 mA  
                              230 VAC, 15 mA

Output ratingt        30 VDC, 12 mA

## Environmental Specifications

Ambient Temperature    -40 to 70° C  
Shock                      10 G ½-sinewave for 11 ms  
Vibration                 1 mm peak-to-peak from 5 Hz  
                                  to 16 Hz, 0.5 g from 16 Hz to  
                                  150 Hz  
Airborne                  ISA-S71.04 –1985 Airborne  
Contaminants             Contaminants Class G3  
Relative Humidity        5% to 95% non-condensing

**Note:** See 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 "*Installing Your DeltaV™ Safety Instrumented System Hardware*" manual.

## Removal and Insertion

This unit cannot be removed or inserted with system power energized.

## 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



NI CL I, DIV 2, Groups A, B, C, D;  
CL I, ZN 2, IIC; T4 Ta = 70°C  
Fiber optic port:  
AIS CL I, DIV 1, Groups A, B, C, D;  
CL I, ZN 0, AEx [ia] IIC; T4 Ta = 70°C



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