

KJ1501X1-BC2 System Dual DC Power Supply

Hazardous Atmosphere



Nemko No. 02ATEX431U

EEx nC IIC T4

Lo=3.55 uH

Alarm relay energy limited field circuit parameters:

Uo = 30 VDC

Io = 135 mA

Li= 0

Ci= 0

System Power

Input

12 VDC 11.4 VDC to 12.6 VDC

24 VDC 20.4 VDC to 28.8 VDC

Output Power: 10 W total at 70° C (combined outputs of 5 VDC and 3.3 VDC)

Output rating: 12 VDC at 13 A max to 60° C or 12 VDC at 10 A max to 70° C (12 VDC input)

12 VDC at 4.5 A max to 60° C or 12 VDC at 3 A max to 70° C (24 VDC input)

5 VDC at 2.0 A
3.3 VDC at 2.0 A

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 Contaminants ISA-S71.04 –1985 Airborne 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 Automation System" manual.

The voltage source to this power supply in 12 VDC passthrough mode must not generate or contain in normal operation, a source of potential in excess of 12.6 VDC and supply no more than 16 A maximum.

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

