

KJ1501X1-BC1 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:

U_o = 30 VDC

I_o = 135 mA

Li = 0

Ci = 0

System Power

Input

12 VDC 11.4 VDC to 12.6 VDC

24 VDC 22.8 VDC to 25.2 VDC

Output Power: 10 W total at 60° C (combined outputs
of 5 VDC and 3.3 VDC)

Output rating: +12 VDC at 13.0 A (12 VDC input)
+12 VDC at 4.5 A (24 VDC input)
+5 VDC at 2.0 A
3.3 VDC at 2.0 A

Environmental Specifications

Ambient Temperature 0 to 60° 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



CL. I Div. 2
GP.A,B,C,D
HAZ.LOC.



TEMP. Rating T4