

## ATEX Instruction Sheet

Part Number: ATEX304

Publish date: February 2023

# System Power Supply

## KJ1501X1-BC5 SYSTEM DC POWER SUPPLY M-SERIES (DC/DC)

### Hazardous Atmosphere



II 3G Ex ec nC IIC Gc  
FM19ATEX0173U  
IECEX FMG 19.0019U  
FM21UKEX0017U



CL. I Div. 2 GP. A,B,C,D  
CL. I Zone 2 AEx/Ex ec nC IIC Gc  
FM17US0286U  
FM17CA0145U

### Power Specifications

Input Rating	12 VDC at 13.8 A 24 VDC at 4.5 A
Output Rating	5.1 VDC at 2.0 A 3.4 VDC at 2.0 A
(40°C to +60°C)	12 VDC at 13 A (12 VDC input) 12 VDC at 8 A (24 VDC input)
(40°C to +70°C)	12 VDC at 10 A (12 VDC input) 12 VDC at 6 A (24 VDC input)
Output Power	10.2 W (total from +5.1 VDC and +3.4 VDC)
Alarm Contact Rating	30 VDC at 2.0 A

### Environmental Specifications

Ambient Temperature	-40°C to +60°C...+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

**Note:** Refer to the product label for serial number and location and date of manufacturer.

**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™ S-Series Hardware Installation and Reference" 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

