**ATEX Instruction Sheet**
**Part Number: ATEX60**
**Publish date: January 2024**



# KJ4005X1-BA1, BB1, BC1, BD1, BE1, BF1, BG1, BL1 S-Series System Carriers

## Hazardous Atmosphere

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

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

## Power Specifications

| | |
|---|---|
| Local Bus Power | 12 VDC at 15A |
| Field Power (8-Wide carrier) | 30 VDC at 3 A/Card |

## 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 |

**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 12P5404 *"DeltaV™ S-Series Digital Automation System Zone 2 Installation Instructions".* Other installation instructions are available in the *"DeltaV™ S-Series and CHARMs Hardware Installation"* manual.

## Removal and Insertion

This unit cannot be removed or inserted with system power energized. Power must be de-energized before connecting or disconnecting any carriers, extenders, extender cables, SIS adapters or power plugs.

Field power must be de-energized before connecting or disconnecting an 8-wide carrier and must not be connected to a supply that generates or contains a source of potential in excess of 30 VDC.

A module cover (KJ4005X1-BH1) must be fitted to any permanently unoccupied location on a carrier. (Permanently unoccupied implies no system power supply, controller, or I/O card are intended for that location).

No combination of I/O carriers and LocalBus Extenders can exceed a length of 6.5 meters. Interconnecting cable between enclosures must be in conduit.

## 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

LR87534