

# KL4103X1-BA1 CHARMs Smart Logic Solver Carrier

## Hazardous Atmosphere



FM12ATEX0089U  
IECEX FMG 12.0036U  
Ex nA IIC Gc

## Power Specifications

Input power redundant +24 VDC at 12.5 A  
Output power to +24 VDC at 10 A  
CHARMS +6.3 VDC at 4 A

## Environmental Specifications

Ambient Temperature -40 to 70° C  
Shock 10g ½ Sinewave for 11 msec  
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 IP 20 Rating

**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 12P5403 "*DeltaV™ Electronic Marshalling Digital Automation System (CHARM I/O Subsystem) 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.

## 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. 1 Div. 2  
GP. A, B, C, D  
HAZ. LOC.  
TEMP. Rating T4