

## ATEX Instruction Sheet

Part Number: ATEX129

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# Redundant LS DVC CHARM Terminal

## KL4505X1-CA1 Redundant LS DVC CHARM Terminal

### Hazardous Atmosphere



II 3G Ex nA nL IIC Gc  
II 3G Ex ic nA IIC Gc  
FM12ATEX0089U  
IECEX FMG 12.0036U

### Power Specifications

KL4505X1-CA1            30VDC at 60mAmp

### 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
Terminal block key position	Set to 1B at Factory

**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

CHARM Terminal Blocks can be added or removed with System Power applied only when the following conditions are met:

- when the power supplied to the KL1501X1-BA1 CSLS Power Module has a maximum open circuit voltage (Voc) of 26.4VDC
- no Charm is installed
- no energized field wiring is connected to the terminal

Once installed, the Charm Terminal assumes the circuit parameters of the Charm for that position.

A keying system ensures compatibility between the LS DVC HART DTA Redundant CHARM and the Redundant LS DVC CHARM terminal block. The terminal block keys are unresettable and set at the factory to position 1B which only allows the LS DVC HART DTA Redundant CHARM to be installed.

### 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



C<sub>LR87534</sub> US