

ATEX Instruction Sheet

Part Number: ATEX97

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LS DVC DTA CHARM

KL3322X1-BA1

Hazardous Atmosphere



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

Power Specifications

LocalBus power rating +6.3 VDC at 60 mA

Field circuit rating +24 VDC at 34 mA

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 4A

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

CHARMS can be inserted or removed under power only when the maximum power supplied to the CHARM I/O card (KL2101X1-BA1) has an open circuit voltage (Voc) of 26.4 VDC. DeltaV bulk power supplies (KJ1502X1) meet this voltage requirement

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when installed according to the installation instructions.

An I/O loop assessment must be completed on all energy-limited nodes.

A keying system ensures compatibility between a CHARM and the CHARM terminal block when the CHARM is installed on the terminal block. This product must be used only with KL4505X1-EA1 LS DVC CHARM Terminal. Both CHARM and Terminal have fixed keying preventing any other combination.

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

