

ATEX Instruction Sheet

Part Number: ATEX131

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Relay DTA LS DO CHARM Terminals

KL4505X1-EA1 Relay DTA LS DO CHARM Terminal

KL4505X1-GA1 Relay DTA IP LS DO CHARM Terminal

Hazardous Atmosphere



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

Power Specifications

KL4505X1-EA1	30VDC at 1Amp
KL4505X1-GA1	30VDC at 1Amp

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 3B 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 DO DTA Redundant CHARM and the Relay DTA LS DO CHARM terminal blocks. The terminal block keys are unresettable and set at the factory to position 3B which only allows the LS DO DTA Redundant CHARM to be installed.

A terminal block fuse may NOT be removed with field power energized for non-sparking circuits.

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

