KL3004X1-BA1 DO 24 VDC Isolated CHARM

Hazardous Atmosphere

II 3 G

Nemko No. 11ATEX3029U
Ex nA IIC T4 Gc

Power Specifications

CHARM Bus power rating	+6.3 VDC at 32 mA
Field circuit rating	+24 VDC at 10 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	5C

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.

Non-sparking field circuits MUST be de-energized before removing and inserting a CHARM.

For non-sparking circuits, the fuse on a CHARM terminal block cannot be removed when field power is energized.

A keying system ensures compatibility between a CHARM and the CHARM terminal block when the CHARM is installed on the terminal block. The terminal block keys are automatically set the first time the CHARM is installed on the terminal block. To install another CHARM type on a terminal block, reset the keys by removing the terminal block and releasing the keys from the locked position.

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

FM APPROVED — CL. 1 Div. 2 GP. A,B,C,D HAZ. LOC. TEMP. Rating T4 — CE — CSA LR87534