MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

EMERSON

KL2101X1-BB1 12P8775 SE6504

CHARM I/O INTERFACE CARD

Used with the applicable DeltaV CHARM I/O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: DeltaV CHARM I/O manufacturer technical reference

KL2101X1-BB1 CHARM I/O Card 2 (CIOC2)

Hazardous Atmosphere

II 3G Ex ec IIC Gc
FM19ATEX0173U
IECEx FMG 19.0019U
FM21UKEX0017U

CL. I Div. 2 GP. A,B,C,D
CL. I Zone 2 AEx/Ex ec IIC Gc
FM17CA0145U
FM17US0286U

Power Specifications

Input Power	24 VDC at 2 A Max
Output Power	6.3 VDC at 3.25 A

Environmental Specifications

Ambient Temperature	-40 °C to +70 °C
Shock	10 g half-sine wave for 11 ms
Vibration	1 mm peak to peak from 2 to 13.2 Hz; 0.7 g from 13.2 to 150 Hz
Airborne Contaminants	ISA-S71.04 –1985 Airborne Contaminants Class G3
Relative Humidity	5 to 95% non-condensing

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 unless the area is known to be non-hazardous.

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

LR87534