

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

Emerson KL2101X1-BA1

CHARM I/O Card (CIOC)

INPUT	OUTPUT	AMBIENT	ENCLOSURE
+24 VDC at 2 A	+6.3 VDC at 3.25 A	-40 to +70 C	IP20

Amikon reference package; the attached Emerson ATEX26 sheet is not a complete system installation manual.

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DOCUMENT IDENTITY AND SCOPE

Product model	KL2101X1-BA1
Document identifier	Emerson ATEX26
Product component	CHARM I/O Card (CIOC)
Publication date	August 2011
Document scope	ATEX Instruction Sheet; original page attached
Related installation reference	12P5403 - CHARM I/O Subsystem Zone 2
Calibration	Not required, according to ATEX26

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INSTALLATION CONTROLS

- Do not remove or insert this unit while system power is energized.
- Follow document 12P5403 for installation and operation in hazardous areas.
- Use the DeltaV S-series and CHARMs Hardware Installation manual for other installation instructions.
- Do not disassemble this unit; it contains no user-serviceable parts.
- Read the complete original safety sheet on page 2 before installation or removal.

KL2101X1-BA1 CHARM I/O Card (CIOC)

Hazardous Atmosphere



Nemko No. 11ATEX3029U

Ex nA IIC T4 Gc

Power Specifications

Input power rating +24 VDC at 2 A

Output power rating +6.3 VDC at 3.25 A

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

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.

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

