

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

Emerson KJ3241X1-BK1

S-Series Serial Interface Card

LOCAL BUS	AMBIENT	KEY POSITION	DOCUMENT
12 VDC / 300 mA	-40 to +70 C	D4	ATEX55 / Jul 2021

Amikon reference package; the attached Emerson ATEX55 sheet is not a complete system installation manual.

01

DOCUMENT IDENTITY AND RATINGS

Product model	KJ3241X1-BK1
Product type	S-Series Serial Interface Card
Local bus power	12 VDC at 300 mA
Ambient temperature	-40 to +70 C
Relative humidity	5 to 95%, non-condensing
Airborne contaminants	ISA-S71.04-1985, Class G3
Terminal block key position	D4

02

INSTALLATION CONTROLS

- Remove field power before connecting or disconnecting this device.
- Do not remove or insert this unit while system power is energized.
- Set the rotary terminal-block keys to match the I/O card; the specified position is D4.
- Follow 12P5404, DeltaV S-Series Zone 2 Installation Instructions, and the original safety sheet.
- Do not disassemble this unit; it contains no user-serviceable parts and requires no calibration.

KJ3241X1-BK1 S-Series Serial Interface Card

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

Local Bus Power 12 VDC at 300 mA

Environmental Specifications

Ambient Temperature	-40°C to +70°C
Shock	10g ½ Sinewave for 11msec
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
Terminal Block key Position	D4

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 12P5404 *"DeltaV™ S-Series Digital Automation System Zone 2 Installation Instructions"*. Other installation instructions are

available in the *"DeltaV™ M-Series and CHARMs Hardware Installation"* manual.

Removal and Insertion

Field power supplied to this device, either at the field terminal or as bussed field power through the Carrier, must be removed before removing or connecting the device.

This unit cannot be removed or inserted with system power energized.

A rotary keying system ensures compatibility between I/O cards and terminal blocks after installation is complete. The terminal block must have the keys set for the I/O card with which it is used.

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

