

## KJ3201X1-BK1 S-Series DI 8-CHANNEL DRY CONTACT CARD

### Hazardous Atmosphere



II 3G Ex ec [ic] IIC Gc  
II 3G Ex nA [nL] IIC Gc  
FM19ATEX0173U  
IECEX FMG 19.0019U  
FM21UKEX0017U



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

### Power Specifications

|                    |                    |
|--------------------|--------------------|
| Local Bus Power    | 12 VDC at 150 mA   |
| Bussed Field Power | 24 VDC at 100 mA   |
| Field Circuit      | 24 VDC at 5 mA/Ch. |

### 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  |
| Terminal block key position | B1   |

**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™ Scalable Process System Zone 2 Installation Instructions"*. Other installation instructions are

available in the *"DeltaV™ S-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.

An I/O loop assessment must be complete on all energy limited nodes.

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

Non-sparking field circuits **MUST** be de-energized before removing and inserting including the fused terminal block.

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 to be 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

