

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

DELTA V

KL4502X1-PA1

FUSED INJECTED-POWER TERMINAL BLOCK

Used with the applicable DeltaV CHARM I/O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Emerson official manufacturer documentation

KL4502X1-PA1 3-Wire DI Fused Injected Power Terminal Block

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

CHARM Fused Terminal Power 30 VDC Max at 1 A

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	Automatically set during installation

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

CHARM Fused Terminals can be added or removed with System Power applied only when the following conditions are met:

- No Charm is installed
- No energized field wiring is connected to the terminal.

Once installed, the Charm Terminal assumes the circuit parameters of the Charm for that position.

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

