

KL4501X1

CHARM Address Plugs

Hazardous Atmosphere



Nemko No. 10ATEX3225U
Ex nA nL IIC T4 Gc

Power Specifications

CHARM Bus power rating +6.3 VDC at 2 mA

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

Address Plug	KL4501X1-BA1 ADDRESS PLUG #1 1A
Key Position	KL4501X1-BB1 ADDRESS PLUG #2 1C
	KL4501X1-BC1 ADDRESS PLUG #3 1E
	KL4501X1-BD1 ADDRESS PLUG #4 3A
	KL4501X1-BE1 ADDRESS PLUG #5 3C
	KL4501X1-BF1 ADDRESS PLUG #6 3E
	KL4501X1-BG1 ADDRESS PLUG #7 5A
	KL4501X1-BH1 ADDRESS PLUG #8 5C

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 Address Plugs can be inserted or removed under power only when the maximum power supplied to the CHARM I/O card (KL2101X1-BA1) has an open circuit voltage (Voc) of 26.4 VDC. DeltaV bulk power supplies (KJ1502X1) meet this voltage requirement when installed according to the installation instructions.

A keying system ensures compatibility between an Address Plug and CHARM Address Terminal when installed. The Address Terminal keys are automatically set the first time the Address Plug is installed. To install a different Address Plug number on an Address Terminal, reset the keys by removing the Address Terminal from the CHARM Baseplate and pressing the keys to release them 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



CL. 1 Div. 2
GP. A,B,C,D
HAZ. LOC.
TEMP. Rating T4

