

## ATEX Instruction Sheet

Part Number: ATEX90

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## I.S. AI 4-20 mA HART CHARM

# KL3101X1-BA1

# I.S. AI 4-20 mA HART CHARM

### Hazardous Atmosphere



FM 11 ATEX 0032X  
II (1) G [Ex ia] IIC  
II (1) D [Ex ia] IIIC  
II 3 (1) G Ex nAc [ia] IIC T4  
(-40°C<Ta<+70°C)

### Power Specifications

CHARM Bus power rating +6.3 VDC at 0 mA

Field circuit power rating +24 VDC at 60 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

**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 documents:

*ATEX/IECEx Installation Instructions IS-CHARM Subsystem 12P6523*

*Control Drawing DeltaV™ IS-CHARMs Subsystem 12P6122*

*Control Drawing DeltaV™ IS-CHARMs 12P6123*

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



#### cFMus:

CL I, DIV 2, GP A-D T4;

CL I, ZN 2, AEx nAc, Ex nA IIC T4 providing IS circuits for

CL I,II,DIV 1,GP A-G; CL III;

CL I, ZN 0, [AEx ia] IIC, [Ex ia] IIC

Install per dwg 12P6122

#### IECEx:

FMG 11.0013X

[Ex ia] IIC

[Ex ia] IIIC

Ex nAc [ia] IIC T4