CSA INTERNATIONAL

Certificate of Compliance

Certificate: 2271396 **Master Contract:** 246454

Project: 2271396 **Date Issued:** September 20, 2011

Issued to: **KEM Kueppers Elektromechanik GmbH**

5 LiebigstraBe
Karlsfeld, Bayern D-85757
Germany
Attention: Kay Stegmann

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

C US

D. Simpson Certifier

Issued by: D. Simpson Certifier

PRODUCTS

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class 2258 04

Ex ia IIC:

Pulse Amplifier Models Vab-cd-e-Ex and PU**Ex. Input rated 12-24 Vdc, 25 mA max. Intrinsically safe with power supply (pins 1 and 3 for c = H and S; A and B for c = U) entity parameters: Ui = 30 Vdc, Ii = 120 mA, Pi = 850 mW, Ci = 8 nF and Li = 0 and Signal output (pins 2 and 3 for c = S; pins 3 and 4 for c = H; pins B and C for c = U): Ui = 30 Vdc, Ii = 24.6 mA, Pi = 185 mW, Ci = 8 nF and Li = 0. Ambient -20°C to 60°C. Temperature code T4. Where:

a = input type = VI or VT

b = mechanical design = EF, EK, EL, ER, ES, EC, EM

c = electrical connector = H, S, U

d = output mode = P,O

e = custom features = L

** = any two numbers denoting length and position of pickup tip

Class 2258 84

Class 1, Zone 0 AEx ia IIC:

Pulse Amplifier Models Vab-cd-e-Ex and PU**Ex. Input rated 12-24 Vdc, 25 mA max. Intrinsically safe with power supply (pins 1 and 3 for c = H and S; A and B for c = U) entity parameters: Ui = 30 Vdc, Ii = 120 mA, Pi = 850 mW, Ci = 8 nF and Li = 0 and Signal output (pins 2 and 3 for c = S; pins 3 and 4 for c = H; pins B and C for c = U): Ui = 30 Vdc, Ii = 24.6 mA, Pi = 185 mW, Ci = 8 nF and Li = 0. Ambient -20°C to 60°C. Temperature code T4. Where:

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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 60079-0:07 - Electrical apparatus for explosive gas atmospheres - Part 0: General requirements

CAN/CSA-E60079-11:02 - Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic Safety "i"

ANSI/UL 60079-0:09 - Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements

ANSI/UL 60079-11:09 - Electrical apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety “i”

CAN/CSA-C22.2 No. 61010.1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

ANSI/UL Std. No. 61010.1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

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MARKINGS

- CSA Monogram with or without C and US indicators
- Submittor identification (name or trademark or master contact number
- Model number
- Electrical rating
- Hazardous locations designation
- Temperature Code
- Ambient Temperature
- Entity Parameters
- Date code or serial number or month and year of manufacture