Certificate of Compliance

Certificate: 70159200 **Master Contract:** 271217

Project: 70159200 **Date Issued:** December 20, 2019

Issued to: **Endress + Hauser Wetzer + Co. KG**
Obere Wank 1
87484 Nesselwang
Germany

Attention: **Mr. Reinhard Buchner**

The products listed below are eligible to bear the CSA Mark shown

C US

Issued by: H. Gambell
H. Gambell

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations
CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations - certified to U.S. standards

IS, Class I, Division 1, Groups A, B, C, D, T4, T5, T6
Ex ia [ia Ga] IIC T4 … T6 Gb
Class I, Zone 1, AEx ia [ia Ga] IIC T4 … T6 Gb

The Surge Suppression Devices model HAW569-DA2B serves to limit any occasional surge voltages in intrinsically safe circuits.

Ambient temperature range: -40 ºC to +80 ºC for temperature class T4.
-40 ºC to +70 ºC for temperature class T5.
-40 ºC to +55 ºC for temperature class T6.

Input circuits (Terminals X1, 1, X1, 2 and cable W1 (red), W2 (black)):
Ui (Vmax) ≤ 30 VDC Ii (Imax) ≤ 500 mA Ci ≤ 0 nF Li = 0 mH

The values of Uo (Voc), Io (Isc) and Po of this device are determined by the output entity parameters of the I.S. safety barriers.

Electrical data as per Control drawing 10000011324

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Notes: Modules listed above:

1. Must be installed, according to Manufacturer's Control Drawing, CEC, Part I and NEC in a suitable enclosure and accepted by the local inspection authority having jurisdiction.
2. Are intended for a controlled environment 55°C, 70°C or 80°C maximum surrounding air temperature, pollution degree 2.
3. The dielectric strength test of at least 500V of the intrinsically safe circuits of the surge suppression device type DEHNpipe DPI MD EX M 24 is limited only by the overvoltage protection.

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No 0-10	-	General requirements - Canadian electrical code, part II
CAN/CSA C22.2 No 14-13		Industrial control equipment
CAN/CSA C22.2 No 60079-0:15	-	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
CAN/CSA C22.2 No 60079-11:14	-	Electrical Apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i"
UL 60079-0: 2013	-	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
UL 60079-11: 2013	-	Electrical Apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i"
UL 508- Ed.17		Industrial control equipment

MARKINGS

Product markings shall be in accordance with the related standards. In addition, it shall be the responsibility of the manufacturer to provide additional markings on the product to comply with the requirements of the local regulatory authorities. For example, in Canada, any caution and warning markings must be provided in French and English.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The manufacturer is required to apply the following markings:

- cCSAus Monogram;
- Company name and/or CSA master contract number;
- Model number;
- Serial number;
- Electrical rating;
- Maximum working pressure;
- Hazardous locations designation as applicable;
- CSA Certificate No CSA19CA.70159200
- Maximum ambient temperature (as applicable);

The installation instructions shall include the bilingual caution and warning for use in hazardous locations, the following statement:

- "WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT WHILE CIRCUIT IS LIVE UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS" and "AVERTISSEMENT: RISQUE D'EXPLOSION. NE PAS DÉBRANCHER TANT QUE LE CIRCUIT EST SOUS TENSION, À MOINS QU'IL NE S'AGISSE D'UN EMPLACEMENT NON DANGEREUX", or equivalent.
- "WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY" AVERTISSEMENT. LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SÉCURITÉ INTRINSÈQUE

Notes:
The products listed 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.

Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and add bilingual wording to the "Markings".

Nameplate adhesive label material approval information:

Not Applicable since pad printed marking