



# Certificate of Compliance

<b>Certificate:</b>	80223759	<b>Master Contract:</b>	166720
<b>Project:</b>	80223759	<b>Date Issued:</b>	2025-07-25
<b>Issued to:</b>	<b>WIKA Alexander Wiegand SE &amp; Co. KG Alexander-Wiegand-Str 30 Klingenberg, Bavaria 63911 Germany</b>	<b>Issued by:</b>	<i>John Kusi Amoateng</i> John Kusi Amoateng

**Attention:** Thomas Sauer

*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.*



## PRODUCTS

Class 2258 04 PROCESS CONTROL EQUIPMENT - Intrinsicly Safe, Entity - For Hazardous Locations  
Class 2258 84 PROCESS CONTROL EQUIPMENT - Intrinsicly Safe, Entity - For Hazardous Locations - Certified to US Standards

**CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsicly Safe, Entity – For Hazardous Locations**

**IS Class I, Division 1, Groups A, B, C, D; T6...T1  
Ex ia IIC T6...T1 Ga**

Intrinsicly safe Pressure transmitter type PEU-2\*-\*C-\*-\*-\*-\*-\*-\*-\*-\*-\*











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T3	150	N/A	40
T4	120	30	50
T4	105	40	50
T4	85	80	80
T5	85	80	80
T6	70	70	70

**IS Class II, Division 1, Groups E, F, G; T135°C**

**IS Class III, T135°C**

**Zone 20, AEx ia IIC T135°C Da**

Intrinsically safe Pressure transmitter type PEU-2\***\*\*H**.\***\*\*\*\*\*\_\*\*\*\*\*\_\*\*\*\***

Rated Input: 6.7V dc, 250mA, 300mW max., Rated Output: 6.7V dc, 400mA,  $-40^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$ . Enclosure Type 4, MWP 160 MPa (1600 bar). Intrinsically Safe when installed per drawing 14746731.

Input entity parameters:  $U_i$  or  $V_{max} = 6.7 \text{ VDC}$ ,  $I_i$  or  $I_{max} = 250\text{mA}$ ,  $P_i = 300\text{mW}$ ,  $C_i$  or  $C_a = 4.4 \text{ nF}$ ,  $L_i$  or  $L_a = 0$ ; Output entity parameter\*:  $U_o$  or  $V_{oc} = 6.7 \text{ VDC}$ ,  $I_o$  or  $I_{sc} = 400 \text{ mA}$ .

\*Short-time; from capacitor discharge time constant:  $5\tau < 25 \text{ ms}$ ;

**IS Class II, Division 2, Groups F, G; T135**

**IS Class III, T135°C**

**Zone 21, AEx ia IIC T135°C Db**

Intrinsically safe Pressure transmitter type PEU-2\***\*\*G**.\***\*\*\*\*\*\_\*\*\*\*\*\_\*\*\*\***

Rated Input: 6.7V dc, 250mA, 300mW max., Rated Output: 6.7V dc, 400mA,  $-40^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$ . Enclosure Type 4, MWP 160 MPa (1600 bar). Intrinsically Safe when installed per drawing 14746731.

Input entity parameters:  $U_i$  or  $V_{max} = 6.7 \text{ VDC}$ ,  $I_i$  or  $I_{max} = 250\text{mA}$ ,  $P_i = 300\text{mW}$ ,  $C_i$  or  $C_a = 4.4 \text{ nF}$ ,  $L_i$  or  $L_a = 0$ ; Output entity parameter\*:  $U_o$  or  $V_{oc} = 6.7 \text{ VDC}$ ,  $I_o$  or  $I_{sc} = 400 \text{ mA}$ .

\*Short-time; from capacitor discharge time constant:  $5\tau < 25 \text{ ms}$ ;

**Nomenclature - model number breakdown for certificate**

PEU	-	2X	-	XXX	-	X	-	XXXXXX	-	XXXXXX	-	XXXX
PEU	-	2a	-	bcd	-	*	-	*****	-	ef****	-	****

**a pressure connection option**

“0” = pressure channel

“1” = front flush

**b explosion protection approval**

“A” = CSA (additional markings e.g. ATEX possible)

**c type of ignition protection**

“I” = Ex ia



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**d zone**

- “C” = Class I, Zone 0, A/Ex ia IIC T1...T6 Ga  
Class I, Division 1, Groups A, B, C, D; T1...T6
- “E” = Class I, Zone 1, A/Ex ia IIC T1...T6 Gb  
Class I, Division 2, Groups A, B, C, D; T1...T6
- “H” = Zone 20, A/Ex ia IIIC T135°C Da  
Class II, Division 1, Groups E, F, G; T135°C  
Class III, Division 1, T135°C
- “G” = Zone 21, A/Ex ia IIIC T135°C Db  
Class II, Division 2, Groups F, G; T135°C  
Class III, Division 2, T135°C

**ef process connection (maximum media temperature)**

- e = any character
- f = “4” or “2” model with cooling element for high media temperature
- f = any character other than “4” or “2” for standard model
- refer also to clause 1.2.5

The characters \* are not relevant for explosion protection.

**Conditions of Acceptability:**

1. The permissible ambient temperature range depends on the temperature class. Refer to the manufacturer’s instructions.
2. For functional reasons, the partition wall (membrane) to the wetted area has a wall thickness < 0.2 mm. In the application it has to be ensured that an impairment of the separation wall e.g. by aggressive media or mechanical hazards is excluded.
3. In gas-explosive areas, the device shall be installed in such a way that electrostatic charging at the type label is excluded.
4. In dust-explosive areas with conductive dust IIIC/Group E, the intrinsically safe circuit is not safely separated from earth/potentially earthed metal parts. Along the intrinsically safe circuit, potential equalization must exist.

**APPLICABLE REQUIREMENTS**

CSA C22.2 No. 94.2:20 - Third Edition - Enclosures for electrical equipment, environmental considerations

CSA C22.2 No. 61010-1-12, UPD1:2015, UPD2:2016, AMD1:2018, UPD3:2023 - Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements - Third Edition; Update No. 1: July 2015; Update No. 2: April 2016; Update No. 3: June 2023

CSA C22.2 No. 60079-0:19 - Explosive atmospheres — Part 0: Equipment - General requirements

CAN/CSA C22.2 No. 60079-11:14 - Second Edition - Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”

ANSI/UL 50E, 3rd Edition - Enclosures for Electrical Equipment, Non-Environmental Considerations

ANSI/UL 61010-1:2012 - Third Edition - Including revisions through June 6, 2023 - Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements

ANSI/UL 60079-0-2020 (Seventh Edition) - Explosive Atmospheres - Part 0: Equipment - General Requirements

ANSI/UL 60079-11-2018 - Standard for Safety for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety i



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ANSI/UL 913-2022 Eighth Edition - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations

### **Markings**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

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 following markings are provided on a UL Recognized to Canadian requirements (PGJ18) and UL Recognized (PGJ12) adhesive nameplate, used with the printer and ribbon specified in the Listing, and is suitable for indoor and outdoor use on stainless steel enclosure at a maximum service temperature of -40 to +150°C. Nameplate is affixed to side of the enclosure. Printed Polyester label of type 7818EH TT5 MS PET75-310E-XXXX(h) manufactured by 3M WROCLAW SP Z O O and UL File MH18072.

- Manufacturer's name: "WIKA Alexander Wiegand SE & Co. KG", or CSA Master Contract Number "166720", adjacent to the CSA Mark in lieu of manufacturer's name.
- Model designation: As specified in the PRODUCTS section, above.
- Electrical ratings: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date, or serial number, traceable to year and month of manufacture.
- Enclosure ratings: As specified in the PRODUCTS section, above.
- The CSA Mark, as shown on the Certificate of Conformity.
- The designation "CSA 25CA80223759X"
- Hazardous Location designation: As specified in the PRODUCTS section, above. The word "Class" may be abbreviated "CL", the word "Division" may be abbreviated "DIV", and the word "Groups" may be abbreviated "GRP" or "GP".
- Method of Protection markings (Ex – markings): As specified in the PRODUCTS section, above. The word "Class" may be abbreviated "CL", the word "Zone" may be abbreviated "ZN".
- Temperature code: As specified in the PRODUCTS section, above.
- The words: "WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS" and "AVERTISSEMENT - RISQUE DE CHARGE ÉLECTROSTATIQUE POTENTIEL - VOIR LES INSTRUCTIONS", or suitable equivalent.



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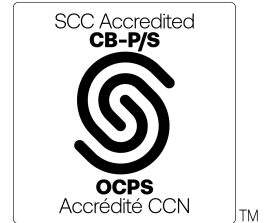
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Notes:

Products certified under Class(es) C225804, C225884 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80223759	2025-07-25	Original cCSAus Certification for Pressure sensor, Model PEU-2* based on IECEx ExTR DE/BVS/ExTR 23.0035/00.