



Certificate of Compliance

Certificate: 80061409

Master Contract: 166720

Project: 80115298

Date Issued: 2022-05-09

Issued to: WIKA Alexander Wiegand SE & Co. KG
Alexander-Wiegand-Str 30
Klingenberg, Bavaria 63911
GERMANY
Attention: Drolshagen, Sonja

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



**Issued
by:**

Oong Lee

PRODUCTS

CLASS - C2258 04 - PROCESS CONTROL EQUIPMENT Intrinsically Safe, Entity - For Hazardous Locations

CLASS - C2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations - Certified to US Standards

Class I, Division 1, Groups A, B, C and D T6...T4

Ex ia IIC T6...T4 Gb

Class I, Zone 1 AEx ia IIC T6...T4 Gb

Differential pressure Gauge Model Series 7a2.15.1b0cd including two model assembly selections with Stainless Steel 316L Material Gauge (Display) and optional integral 2-wire pressure transmitter and/ or Reed switch or Reed switch only; Reed switch and external pressure transmitter rated as following:

14-30Vdc, max.100mA for the Reed switch model 851-A (version 851.3 and 851.3.3) and optional IS-3 transmitter

14-30Vdc 4 -20 mA for the 2-wire transmitter model 892.44

Maximum static pressure load 725 PSI (50 Bar). Type rated enclosure Type 3R. Intrinsically Safe when wired per Control drawing 14413831



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Nomenclature details:

a = material measuring cell: 1 (brass), 3 (stainless steel)

b = display size: 6 (160 mm)

c = +892.44 or + IS-3 or blank if no transmitter fitted

d = +851-A

Entity Parameters at the field plug connector	For integral 2-wire pressure transmitter model 892.44	For Reed switch 851-A
Voltage U_i / V_{max}	30 Vdc	30 Vdc
Current I_i / I_{max}	100 mA	100 mA
Power P_i	720 mW	1000 mW
Effective internal capacitance C_i	≤ 11 nF	0
Effective internal inductance L_i	negligible	0

Entity Parameters for the optional IS-3 transmitter installed by screwing inside of the measuring cell

U_i / V_{max} = DC 30 V

I_i / I_{max} = 100 mA

P_i = 0.8 W

C_i = 16.5 nF + 0.2 nF/m cable (flying leads)

L_i = 0 mH + 2 μ H/m cable (flying leads)

Temperature Code for model 7a2.15.1b0cd correlated with the Ambient temperature:

Ambient temperature range (°C) With 892.44 (with or without + 851-A Reed contact)	Temperature code
$-20\text{ °C} \leq T_a \leq +45\text{ °C}$	T6
$-20\text{ °C} \leq T_a \leq +60\text{ °C}$	T5
$-20\text{ °C} \leq T_a \leq +70\text{ °C}$	T4

Ambient temperature range (°C) With 851-A Reed contact (without 892.44)	Temperature code
$-20\text{ °C} \leq T_a \leq +60\text{ °C}$	T6 or T5
$-20\text{ °C} \leq T_a \leq +70\text{ °C}$	T4

Maximum process temperature range: -40°C to +80°C

Note:

1. The above model is permanently connected, pollution degree 2, overvoltage category II.
2. Mode of operation: Continuous.
3. Model 712.15.1b0cd is for indoor use only.



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Conditions of Acceptability:

- Manufacturer's technical information related to use of the Differential pressure Gauge in contact with aggressive, corrosive media and avoidance of any risk of mechanical impact shall be observed.
- Potential Electrostatic Charging Hazard - Parts of the enclosure may be constructed from plastic. To prevent the risk of electrostatic sparking the plastic surface should be cleaned only with a damp cloth.

CLASS - C225203 - PROCESS CONTROL EQUIPMENT

CLASS - C225283 - PROCESS CONTROL EQUIPMENT Certified to US Standards

Class I, Division 2, Groups A, B, C and D T6...T4

Differential pressure Gauge Model Series 7a2.15.1b0cd including two model assembly selections with Stainless Steel 316L Material Gauge (Display) and optional integral 2-wire pressure transmitter and/ or Reed switch or Reed switch only; Reed switch and external pressure transmitter rated as following:

14-30Vdc, max.100mA for the Reed switch model 851-A (version 851.3 and 851.3.3) and optional IS-3 transmitter

14-30Vdc 4 -20 mA for the 2-wire transmitter model 892.44

Maximum static pressure load 725 PSI (50 Bar). Type rated enclosure Type 3R. Non-Incendive when wired per Non-Incendive field wiring drawing 14413831

Nomenclature details:

a = material measuring cell: 1 (brass), 3 (stainless steel)

b = display size: 6 (160 mm)

c = +892.44 or + IS-3 or blank if no transmitter fitted

d = +851-A

Entity Parameters at the field plug connector	For integral 2-wire pressure transmitter model 892.44	For Reed switch 851-A
Voltage U_i / V_{max}	30 Vdc	30 Vdc
Current I_i / I_{max}	100 mA	100 mA
Power P_i	720 mW	1000 mW
Effective internal capacitance C_i	11 nF	0
Effective internal inductance L_i	negligible	0

Entity Parameters for the optional IS-3 transmitter which is installed by screwing inside of the measuring cell

U_i / V_{max} = DC 30 V

I_i / I_{max} = 100 mA

P_i = 0.8 W

C_i = 16.5 nF + 0.2 nF/m cable (flying leads)

L_i = 0 mH + 2 μ H/m cable (flying leads)



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Temperature Code for model 7a2.15.1b0cd correlated with the Ambient temperature:

Ambient temperature range (°C) With 892.44 (with or without + 851-A Reed contact)	Temperature code
$-20\text{ °C} \leq T_a \leq +45\text{ °C}$	T6
$-20\text{ °C} \leq T_a \leq +60\text{ °C}$	T5
$-20\text{ °C} \leq T_a \leq +70\text{ °C}$	T4

Ambient temperature range (°C) With 851-A Reed contact (without 892.44)	Temperature code
$-20\text{ °C} \leq T_a \leq +60\text{ °C}$	T6 or T5
$-20\text{ °C} \leq T_a \leq +70\text{ °C}$	T4

Maximum process temperature range: -40°C to 80°C

Note:

1. The above model is permanently connected, pollution degree 2, overvoltage category II.
2. Mode of operation: Continuous.
3. Model 712.15.1b0cd is for indoor use only.

Conditions of Acceptability:

-Manufacturer's technical information related to use of the Differential pressure Gauge in contact with aggressive, corrosive media and avoidance of any risk of mechanical impact shall be observed.

-Potential Electrostatic Charging Hazard - Parts of the enclosure may be constructed from plastic. To prevent the risk of electrostatic sparking the plastic surface should be cleaned only with a damp cloth.



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APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 213-17	Non-incendive Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations
CAN/CSA C22.2 No. 60079-0:15	Explosive atmospheres – Part 0: Equipment – General requirements
CAN/CSA-C22.2 No. 60079-11:14 (R2018)	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i”
ANSI/UL 913-2018 Eighth Edition	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations
ANSI/UL 121201-2017 Ninth Edition	Non-incendive Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations
ANSI/UL 60079-0-2013	Explosive atmospheres – Part 0: Equipment – General requirements
ANSI/UL 60079-11-2014 Sixth Edition	Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”

ORDINARY LOCATIONS APPLICABLE REQUIREMENTS (Addressed in CSA Ordloc report No. 80061409):

CAN/CSA-C22.2 No. 61010-1-12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
ANSI/UL 61010-1Third Edition	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use -Part 1: General Requirements



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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 applied on an adhesive label type Polyscript ACE G Manufactured by Schneider Group GmbH & CO KG certified by UL under file# MH17657.

- 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.
- Catalogue / Model designation, as specified in the PRODUCTS section, above.
- Complete electrical rating, as specified in the PRODUCTS section, above.
- Date code / Serial number traceable to month and year of manufacture.
- Ambient temperature range: As specified in the PRODUCTS section, above
- Maximum static pressure load rating: "725 psi (50 Bar)"
- Maximum process temperature: As specified in the PRODUCTS section, above.
- The words "I.S. per Drawing 14413831"
- The CSA Mark, with or without the "C" and "US" indicators, as shown on the Certificate of Conformity.
- The designation "CSA21CA80061409X"
- For products listed in Class 2258 04/84, above:
 - Hazardous Location designation: "Class I, Division 1, Groups A, B, C, D T6-T4". 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): "Ex ia IIC T6..T4 Gb", and "Class I, Zone 0, AEx ia IIC T6..T4 Gb"
 - The words "INTRINSICALLY SAFE" and "SECURITE INTRINSEQUE".
- For products listed in Class 2258 03/83, above
 - Hazardous Location designation: "Class I, Division 2, Groups A, B, C, D T6-T4". The word "Class" may be abbreviated "CL", the word "Division" may be abbreviated "DIV", and the word "Groups" may be abbreviated "GRP" or "GP".

The following Caution markings or equivalents are required in English and French.

"WARNING – EXPLOSION HAZARD – SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY" and "AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SECURITE INTRINSEQUE", or equivalent.