



Certificate of Compliance

Certificate: 70033893

Master Contract: 166720

Project: 80199559

Date Issued: 2024-08-16

Issued To: WIKA Alexander Wiegand SE & Co. KG
Alexander-Wiegand-Str 30
Klingenberg, Bavaria, 63911
Germany

Attention: Florian Dierbach

Issued by:

Gordon Neuroth

PRODUCTS

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

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations -
To U.S. Requirements

IS: Class I, Division 1, Groups A, B, C and D; Class II, Groups E, F and G; Class III

Canadian Zone Designation: Class I, Zone 0; Ex ia; IIC; IP65; DIP A20

US Zone Designation: Class I, Zone 0; AEx ia; IIC; IP65

IL-10-A Level Probe with up to 12 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 80°C, 60°C respectively; intrinsically safe when installed per WIKA Drawing 2323880, with Entity parameters as follows:

V_{max} = DC 30 V

I_{max} = 100 mA

P_i = 1 W

C_i = 16.5 nF (+ 0.1 nF/m cable)

L_i = 0 µH (+ 1 µH/m cable)



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Models IS-3 Pressure Transmitters with up to 26 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 75°C, 60°C respectively; Single Seal; intrinsically safe when installed per WIKA Drawing 14137236, with Entity parameters as follows:

$V_{max} = DC\ 30\ V$
 $I_{max} = 100\ mA$
 $P_i = 0.8\ W$
 $C_i = 16.5\ nF + 0.2\ nF/m\ cable\ (flying\ leads)$
 $L_i = 0\ mH + 2\ \mu H/m\ cable\ (flying\ leads)$

Note: All models of the IS-3 are covered under the Single Seal evaluation and have a rated process temperature range of -40°C to +125°C.

CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Equipment - For Hazardous Locations

CLASS 2258 83 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Equipment - For Hazardous Locations - To U.S. Requirements

NI: Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III
Canadian Zone Designation: Class I, Zone 2; Ex nL; IIC; IP65; DIP A22
US Zone Designation: Class I, Zone 2; AEx nL; IIC; IP65

IL-10-A Level Probe with up to 12 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 80°C, 60°C respectively; non-incendive when installed per WIKA Drawing 2323880, with Entity parameters as follows:

$V_{max} = DC\ 30\ V$
 $I_{max} = 100\ mA$
 $P_i = 1\ W$
 $C_i = 16.5\ nF (+ 0.1\ nF/m\ cable)$
 $L_i = 0\ \mu H (+ 1\ \mu H/m\ cable)$

Models IS-3 Pressure Transmitters with up to 26 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 75°C, 60°C respectively; Single Seal; non-incendive when installed per WIKA Drawing 14137236, with Entity parameters as follows:

$V_{max} = DC\ 30\ V$
 $I_{max} = 100\ mA$
 $P_i = 0.8\ W$
 $C_i = 16.5\ nF + 0.2\ nF/m\ cable\ (flying\ leads)$
 $L_i = 0\ mH + 2\ \mu H/m\ cable\ (flying\ leads)$

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CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - To U.S. Requirements

Class I, Division 2, Groups A, B, C and D
Canadian Zone Designation: Class I, Zone 2; Ex nA; IIC; IP65; DIP A22
US Zone Designation: Class I, Zone 2; AEx nA; IIC; IP65

Model IL-10-A Level Probe with up to 12 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 80°C, 60°C respectively.

Models IS-3 Pressure Transmitters with up to 26 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 75°C, 60°C respectively; Single Seal; suitable for use in Class I, Division 2 when connected via conduit.

Note: All models of the IS-3 are covered under the Single Seal evaluation and have a rated process temperature range of -40°C to +125°C.

APPLICABLE REQUIREMENTS

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Location
CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - To U.S. Requirements

IS: Class I, Division 1, Groups A, B, C and D; Class II, Groups E, F and G; Class III
Canadian Zone Designation: Class I, Zone 0; Ex ia; IIC; IP65; DIP A20
US Zone Designation: Class I, Zone 0; AEx ia; IIC; IP65

IL-10-A Level Probe with up to 12 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 80°C, 60°C respectively; intrinsically safe when installed per WIKA Drawing 2323880, with Entity parameters as follows:

$V_{max} = DC\ 30\ V$
 $I_{max} = 100\ mA$
 $P_i = 1\ W$
 $C_i = 16.5\ nF\ (+\ 0.1\ nF/m\ cable)$
 $L_i = 0\ \mu H\ (+\ 1\ \mu H/m\ cable)$

Models IS-3 Pressure Transmitters with up to 26 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 75°C, 60°C respectively; Single Seal; intrinsically safe when installed per WIKA Drawing 14137236, with Entity parameters as follows:



Certificate: 70033893

Project: 80199559

Master Contract: 166720

Date Issued: 2024-08-16

$V_{max} = \text{DC } 30 \text{ V}$
 $I_{max} = 100 \text{ mA}$
 $P_i = 0.8 \text{ W}$
 $C_i = 16.5 \text{ nF} + 0.2 \text{ nF/m cable (flying leads)}$
 $L_i = 0 \text{ mH} + 2 \text{ } \mu\text{H/m cable (flying leads)}$

Note: All models of the IS-3 are covered under the Single Seal evaluation and have a rated process temperature range of -40°C to $+125^{\circ}\text{C}$.

CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Equipment - For Hazardous Locations

CLASS 2258 83 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Equipment - For Hazardous Locations - To U.S. Requirements

NI: Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III

Canadian Zone Designation: Class I, Zone 2; Ex nL; IIC; IP65; DIP A22

US Zone Designation: Class I, Zone 2; AEx nL; IIC; IP65

IL-10-A Level Probe with up to 12 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C , 80°C , 60°C respectively; non-incendive when installed per WIKA Drawing 2323880, with Entity parameters as follows:

$V_{max} = \text{DC } 30 \text{ V}$
 $I_{max} = 100 \text{ mA}$
 $P_i = 1 \text{ W}$
 $C_i = 16.5 \text{ nF (+ } 0.1 \text{ nF/m cable)}$
 $L_i = 0 \text{ } \mu\text{H (+ } 1 \text{ } \mu\text{H/m cable)}$

Models IS-3 Pressure Transmitters with up to 26 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C , 75°C , 60°C respectively; Single Seal; non-incendive when installed per WIKA Drawing 14137236, with Entity parameters as follows:

$V_{max} = \text{DC } 30 \text{ V}$
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 $P_i = 0.8 \text{ W}$
 $C_i = 16.5 \text{ nF} + 0.2 \text{ nF/m cable (flying leads)}$
 $L_i = 0 \text{ mH} + 2 \text{ } \mu\text{H/m cable (flying leads)}$

Note: All models of the IS-3 are covered under the Single Seal evaluation and have a rated process temperature range of -40°C to $+125^{\circ}\text{C}$.

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - To U.S. Requirements



Certificate: 70033893
Project: 80199559

Master Contract: 166720
Date Issued: 2024-08-16

Class I, Division 2, Groups A, B, C and D
Canadian Zone Designation: Class I, Zone 2; Ex nA; IIC; IP65; DIP A22
US Zone Designation: Class I, Zone 2; AEx nA; IIC; IP65

Model IL-10-A Level Probe with up to 12 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 80°C, 60°C respectively.

Models IS-3 Pressure Transmitters with up to 26 alphanumeric suffixes denoting mechanical or electrical variations; T-Code T4, T5, T6 with maximum ambient temperatures of 105°C, 75°C, 60°C respectively; Single Seal; suitable for use in Class I, Division 2 when connected via conduit.

Note: All models of the IS-3 are covered under the Single Seal evaluation and have a rated process temperature range of -40°C to +125°C.

APPLICABLE REQUIREMENTS

The product, as described in this Report, complies with:

- CSA Standard C22.2 No. 0-M1991 - General Requirements Canadian Electrical Code Part II
- CSA Standard C22.2 No. 25-M1966 - Enclosures for Use in Class II Groups E, F and G Hazardous Locations
- CSA Standard C22.2 No. 94-M1991 - Special Purpose Enclosures
- CAN/CSA-C22.2 No. 61010-1:12 – Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements
- CSA Standard C22.2 No. 157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
- CSA Standard C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
- CAN/CSA E60079-0: 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"
- CAN/CSA E60079-15: 02 - Electrical apparatus for explosive gas atmospheres – Part 15: Type of protection "n"
- CAN/CSA-E61241-1-1: 02 - Electrical apparatus for use in the presence of combustible dust – Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation – Specification for apparatus
- UL Standard 50, 11th Edition - Enclosures for Electrical Equipment
- UL Standard 61010-1, 3rd Edition – Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements
- UL Standard 913, 7th Edition - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations
- UL Standard 1203, 4th Edition - Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations (used for dust ingress protection requirements)
- UL 60079-0, Fourth Edition - Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements
- UL 60079-11, First Edition - Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i"



Certificate: 70033893
Project: 80199559

Master Contract: 166720
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UL 60079-15, First Edition - Electrical Apparatus for Explosive Gas Atmospheres – Part 15: Electrical Apparatus with Type of Protection “n”

ANSI/ISA 12.27.01-2003 - Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids

ANSI/ISA 12.12.01-2015 – Non incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

MARKINGS

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 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.

Submittor's name, trademark, or the CSA Master Contract number (adjacent the CSA Mark).

- (1) Catalogue / Model designation.
- (2) Complete electrical rating.
- (3) Date code / Serial number traceable to month and year of manufacture.
- (4) Hazardous Location designations.
- (5) The words "IS per Drawing 2323880", "IS per Drawing 14137236 " (which includes entity parameters).
- (6) Temperature code T4, T5, T6.
- (7) Maximum ambient 105°C, 80°C/75°C, 60°C.
- (8) The CSA Mark with C_US qualifiers.
- (9) The symbol “Ex ia” for intrinsically safe models (Class 2258 04/84 equipment)
- (10) The symbol “Ex nL” for non-incendive models (Class 2258 03/83 equipment)
- (11) The symbol “Ex nA” for non-arcing / non-sparking models (Class 2258 02/82 equipment)
- (12) The symbol “DIP Axx” where xx is either 20 or 22 depending on the Zone rating of the equipment
- (13) The ingress protection rating



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(14) Non-Incendive for Class I, Division 2, Groups A, B, C, D (For products listed under class 2258 03/83).

In addition to the above markings the Model IS-3 shall be marked with the following:

- (16) The term "Single Seal".
- (17) Process Temperature Range (-40° to +125°C for all models).
- (18) Process Pressure Range.

Nameplate adhesive label material approval information:

Flexcon and JAC Datapol Polyester adhesive nameplate material.

Notes:



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

Project	Date	Description
80199559	2024-08-16	Update to Report 70033893 - No new models but updated documents, addition of SPR-2-ND capsule and removal of the types IS-10-A, IS-11-A, IS-20 and IS-21.
80009587	2019-09-13	Update of report 70033893. The Ordinary Location standards have been updated to CAN/CSA-C22.2 No. 61010-1:12 and UL Standard 61010-1, 3rd Edition, as per the ORDLOC assessment carried out under project 70161473.
70033893	2016-08-24	Transfer of Report 139616 under M/C 150135 (Project 70088668) to M/C 166720 (Project 70033893)