



# Certificate of Compliance

**Certificate:** 70130364

**Master Contract:** 221913

**Project:** 70130364

**Date Issued:** May 12, 2017

**Issued to:** Pepperl+Fuchs GmbH  
Lilienthalstrasse 200  
Mannheim, 68307  
GERMANY  
**Attention:** Gerrit Lohmann

*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:** Lyn Murray  
Lyn Murray

## **PRODUCTS**

Class 2258 02 – PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - CERTIFIED TO U.S. STANDARDS

**Class I, Div 2, Groups A, B, C and D; Class II, Div. 2, Groups F and G; Class III:**

- WHA-ADP2-F8B2-\*-\*-Z1-\*-\*-\*, Wireless HART-Adapter, battery operated (battery pack p/n W-BAT-B2-Li); temperature code T4/T3C, ambient temp -40C to +50/60C; CSA Enclosure Type 4X. Suffix code 'a' denotes housing type and may be B (F33, CSA Type 4X); or C (F39, CSA Type 4X); Suffix code 'd' = 3 or 4; Suffix code 'e' = P; all other suffices may be variables not pertinent to the Certification.



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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

**Class I, Div. 1, Groups A, B, C and D; Class II, Div. 1, Groups E, F and G; Class III:  
Class I, Zone 1, Ex ia IIC T4/T3C, AEx ia IIC T4/T3C**

- WHA-ADP2-F8B2-\*-\*-Z1-\*-\*-\*, Wireless HART-Adapter, battery operated (Battery pack p/n W-BAT-B2-Li); intrinsically safe with entity parameters of  $U_o$  (Voc) = 28V;  $I_o$  (Isc) = 99mA;  $P_o$  = 692mW;  $C_o$  (Ca) = 70 nF;  $L_o$  = 3.45mH and  $U_i$  (Vmax) = 30V;  $I_i$  (Imax) = 100mA;  $P_i$  = 751mW;  $C_i$  = 24 nF;  $L_i$  = 426 uH, and additional for LP Interface  $U_{OLPI}$  (Voc) = 7.8V;  $I_{OLPI}$  (Isc) = 1.03A;  $P_{OLPI}$  = 1.22W;  $C_{OLPI}$  (Ca) = 9.18 uF;  $L_{OLPI}$  = 21.51uH, when installed per IS Control drawing 116-0435; temperature code T4/T3C, ambient temperature range resp. -40C to +50/60C. Suffix code 'a' denotes housing type and may be A (F32 housing, CSA Type 4), B (F33, CSA Type 4X); or C (F39, CSA Type 4X); 'b' may be 1 or 5 denoting power supply; 'c' may be any variable denoting version; 'd' may be 1-4, or 8 denoting cable entry type; Suffix code 'e' = P; all other suffices may be variables not pertinent to the Certification.

**Notes:**

1. The enclosure shall not be opened when an explosive dust atmosphere is present
2. Suffix code 'a' shall not be 'A' for Class II and Class III Hazardous locations.
3. Only the battery pack type W-BAT-B2-Li produced by manufacturer shall be used.



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**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-M91	General Requirements – Canadian Electrical Code, Part II
CSA C22.2 No. 25-1966 (R2004)	Enclosures for Use in Class II Groups E, F and G Hazardous Locations
CAN/CSA C22.2 No. 94-M91	Special Purpose Enclosures
CSA Std C22.2 No. 213-M1987	Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CAN/CSA-C22.2 No. 157-92	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CAN/CSA-C22.2 No 60079-0-11	Explosive Atmospheres - Part 0: Equipment – General Requirements
CAN/CSA C22.2 No. 60079-11:14	Explosive Atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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 Std. No. 61010-1-12	Safety Standards for Electrical and Electronic Test, Measuring, Controlling and Related Equipment - General Requirements
FMRC 3600 - 2011	Electrical Equipment for Use in Hazardous (Classified) Locations, General Requirements
FMRC 3610 - 2015	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1 Hazardous (Classified) Locations
FMRC3611 - 2004	Nonincendive Electrical equipment for Use in Class I and Class II, Division 2, and Class III, Division 1 and 2 Hazardous (Classified) Locations
FMRC 3810 - 2005	Electrical and Electronic Test, Measuring, and Process Control Equipment
ANSI/ISA-60079-0 2013	Electrical Apparatus for Explosive Gas Atmospheres – Part 0: General Requirements
ANSI/ISA-60079-11 (12.02.01)-2009	Electrical Apparatus for Explosive Gas Atmospheres Part 11: Intrinsic Safety "i"



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ANSI/NEMA 250 - 1991	Enclosures for Electrical Equipment
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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

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.

### **Nameplate adhesive label material approval information:**

The following markings appear on the WHA-ADP2-F8B2:

- Company's name;
- Model designation;
- CSA Monogram (with C/US designator);
- CSA Master Contract Number
- Serial number or date code;
- Hazardous Locations designation (Div. 2 designation applicable to versions using F33 or F39 housing with NPT adapters);
- the symbol, Exia
- temperature code rating; T4/T3C
- reference to IS installation drawing
- ambient temperature rating; -40C to +50/60C
- the warning (applicable only to versions in F33 or F39 housing fitted with NPT adapters): FOR DIV 2, DO NOT CONNECT/DISCONNECT EQUIPMENT UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS
- warning Avoid electrostatic discharge hazard (mandatory on F32 housing only, optional on F33 and F39 housings)

### **Method of Marking:**

CSA Accepted adhesive nameplate Eltex/Top-Script 101720 or WÖLCO 31052008.



## *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>
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70130364

May 12, 2017

Original Project No	Model No	Listee Model No
151079-70092535	SWA70-C12abcde	WHA-ADP2-F8B2-*-*-Z1- **_*