



# Certificate of Compliance

**Certificate:** 70196198

**Master Contract:** 152423

**Project:** 70220978

**Date Issued:** January 29, 2020

**Issued to:** Eaton Electric Ltd.  
Great Marlings, Butterfield  
Luton, Bedfordshire  
LU2 8DL  
UNITED KINGDOM  
Attention: C Ring

*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:**

R Papiah

## **PRODUCTS**

**CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations**

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

**Ex nA IIC T3**

**Class I Zone 2 AEx nA IIC T3 Gc IP66**

Industrial Computer, Model Barracuda WS 15G2 (AC input), Permanently Connected Equipment, rated 100-240 Vac, 50/60 Hz, 80W, and 2A rms Max. Rated operating ambient temperature: -40°C to +60°C

Industrial Computer, Model Barracuda WS 15G2 (DC input), Permanently Connected Equipment, rated +10-36 Vdc, 180W, and 18A dc Max. Rated ambient operating temperature: -40°C to +60°C

When fitted with the Ethernet Module:

**Ex nA [ia Ga] IIC T3**

**Class I Zone 2 AEx nA [ia Ga] IIC T3 Gc IP66**

**Output intrinsically safe**



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Hazardous area side SK2/PL2:  
10/100 Mbps versions

$U_o = 6.0V$   
 $I_o = 2.24A$   
 $P_o = 1.16A$

Version	Group	Capacitance Co ( $\mu F$ )	Inductance Lo ( $\mu H$ )	Or	Inductance Lo ( $\mu H$ )
10/100 Mbps	IIC	39	7.1		10.6

Industrial Computer, Model Barracuda WS 15G2 (AC input), Permanently Connected Equipment, rated 100-240 Vac, 50/60 Hz, 80W, and 2A rms Max. Rated operating ambient temperature:  $-40^{\circ}C$  to  $+45^{\circ}C$

Industrial Computer, Model Barracuda WS 15G2 (DC input), Permanently Connected Equipment, rated +10-36 Vdc, 180W, and 18A dc Max. Rated ambient operating temperature:  $-40^{\circ}C$  to  $+45^{\circ}C$

### **APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-10	- General Requirements - Canadian Electrical Code Part II.
CAN/CSA-C22.2 No. 61010-1-12	- Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
CAN/CSA-C22.2 No. 60079-0:11	- Part 0: General requirements
CAN/CSA-C22.2 No. 60079-15:12	- Part 15: Equipment Protection by Type of protection "n"
CAN/CSA-C22.2 No. 60079-11:14	- Part 11: Equipment Protection by Intrinsic Safety "i"
UL Std. No. 61010-1 (3 <sup>rd</sup> Edition)	- Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
UL Std. No. 60079-0, 6 <sup>th</sup> Edition	- Part 0: General requirements
UL Std. No. 60079-15, 4 <sup>th</sup> Edition	- Part 15: Equipment Protection by Type of Protection "n"
UL Std. No. 60079-11, 6 <sup>th</sup> Edition	- Part 11: Equipment Protection by Intrinsic Safety "i"

### **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.

1. Submittor's Name, Trademark, or (the CSA file number adjacent the CSA Mark - optional).
2. Catalogue / Model designation or equivalent.
3. Complete electrical rating (amps, hertz, and volts).
4. Applicable Hazardous Locations Classification



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5. Temperature Codes
6. Date Code / Serial Number traceable to month and year of manufacture.
7. The CSA Mark with C/US subscript;
8. The IEC 417, No. 5032 Alternating Current symbol, ~
9. The ISO 3864, No. B.3.6 Caution, risk of electric shock symbol, ;
10. The ISO 3864, No. B.3.1 Caution symbol (refer to accompanying documents), ;
11. Caution Warnings  
“WARNING - EXPLOSION HAZARD - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR Class I, Zone 2” and equivalent French Markings: “AVERTISSEMENT - RISQUE D'EXPLOSION - substitution de composants peut nuire à la conformité Class I, Zone 2”  
“DISCONNECT ALL POWER SOURCES BEFORE SERVICING” and equivalent French Markings: “Débranchez toutes les sources d'alimentation avant l'entretien”
12. Caution Warnings  
“WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS” and equivalent French Markings: “ATTENTION - DANGER POTENTIEL charge électrostatique - VOIR INSTRUCTIONS”

**Conditions of Acceptability (When fitted with the Ethernet Module):**

- i. The quoted entity parameters of Co and Lo are applicable for the distributed capacitance and inductance in cable. Where there is circuit capacitance or inductance in the connected equipment (represented by Ci and Li respectively), then these values shall not exceed 50% of the quoted Co and Lo
- ii. The safe area connection SK1 must only be connected to Ethernet sources which are not Power over Ethernet (PoE) capable.
- iii. Identical connectors are used for the safe area and hazardous area connections. Equipment labelling for correct connections shall be observed.



## *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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70220978	January 29, 2020	Variation to 2691765 - Update to include alternative LCD and SBC (Single Board Computer), introduction of Ethernet module which provides an intrinsically safe output, internal changes to the enclosure casting.
70196198	2019-01-16	Change of company name to Eaton Electric
<b>History</b>		
70044020	2016-03-22	Update to Report 2691765 to add alternative thinner version of the approved P-CAP Touch Screen - addressing previous failure, and adding options taken from the Barracuda 19Gen2 to allow for use under this CSA Report.
70024995	2015-06-05	Update to CSA Report 2691765 to add 1 alternative resistive touch screen P/N: 60-200054 and 3 I/O connector options - 1 Canbus, 1 2nd Serial, and 1 ROTA Ex USB that will require an adapter to seal the existing USB hole in the housing.
70009506	2015-02-06	Update to Report 2691765 and model Barracuda WS 15G2; new DC version (rated C1Z2 AEx nA IIC T3 Gc IP66, 9-36Vdc), replace obsolete blower, update drawings based on new model and blower. Includes testing for IECEx and ATEX requirements. Includes TIS for 3 hours.
2721937	2014-05-28	Update to report 2691765 to include Resistive Touch Screen variation to Barracuda WS 15 G2 series.
2691765	2014-03-20	New Certification of Model Barracuda WS 15 Gen 2 partly based on Barracuda WS (Gen 1).