



# Certificate of Compliance

Certificate: 1788693

Master Contract: 150241

Project: 80004379

Date Issued: 2019-08-26

Issued To: Appleton Group Canada Ltd.  
99 Union St  
Elmira, Ontario, N3B 3L7  
Canada

*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: *Don Verbeem*  
Don Verbeem



## PRODUCTS

CLASS - C462801 - PANELBOARDS For Hazardous Locations

CLASS - C462881 - PANELBOARDS For Hazardous Locations - Certified to US Standards

**Ex de IIB T6; IP66**

**Class I, Zone 1, AEx de IIB; T6; IP66**

Operating ambient Ta = -20°C to +40°C

- Polymeric Circuit Breaker Panelboard , PZ Series, 42 (max) branch circuits, rated 120/240 Vac, 60 Hz, 225 A max, assembled with circuit breaker of 40 A max, single or two pole, with pre-wiring load wires.

**Ex de IIB T4; IP66**

**Class I, Zone 1, AEx de IIB; T4 or T3; IP66**

Operating ambient Ta = -20°C to +40°C or -40°C to +40°C (see note b below)



**Certificate:** 1788693  
**Project:** 80004379

**Master Contract:** 150241  
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- Stainless Steel Circuit Breaker Panelboard , SZ Series, 42 (max) branch circuits, rated 120/240 Vac, 60 Hz, 225 A max, assembled with circuit breaker of 40 A max, single or two pole, with pre-wiring load wires.

Note:

- a) Suffixes 1A, 1B, 1C, 1D or 1E; 11, 31 or 32; L; 2; 15, 20, 25, 30 or 40A; 1 or 2 may be added to the Cat. No. designation to denote size of the enclosure, no. of phases and service current, type connector, voltage, no. of breakers, breaker amps and no. of breaker pole respectively.
- b) Operating ambient is -20C to +40C when heaters are not provided

**Ex de IIB+H2 T3/T5; IP66**

**Class I, Zone 1, AEx de IIB+H2 T3/T5; IP66**

**Class I, Division 2, Groups B, C and D, T3/T5; Class II, Division 1, Groups F and G; Class III; Type 4X**

**Operating ambient Ta = -20°C to +40°C or -40°C to +40°C (see note c below)**

- Stainless Steel Circuit Breaker Panelboard, RQS Series, rated 240V max, 60 Hz, 225 A max, 14(max) RQA Branch Circuit Breakers assembled with circuit breakers of 60A max, 120Vac, 1 pole and/or 40A max, 240Vac, 2 or 3 pole, HIC 10 kA and /or RQA Branch GFCI and GFEP breakers, rated 120 Vac, 1 pole, 15 to 40 A max, HIC 10 kA; with pre-wiring load wires.

Note:

- a) Suffixes A, B, C, D and E and numbers may be added to the Cat. No. designation to denote size of the enclosure, no. of panels, system voltage and main type and no. of breakers, breaker amps, no. of breaker pole and options respectively.
- b) Operating ambient is -20C to +40C when heaters are not provided

**Ex de IIB+H2 T3/T5; IP66**

**Class I, Zone 1, AEx de IIB+H2 T3/T5; IP66**

**Class I, Division 2, Groups B, C and D, T3/T5; Type 4X**

**Operating ambient Ta = -20°C to +40°C or -40°C to +40°C (see note b below)**

- Stainless Steel Circuit Breaker Panelboard, RQS-W Series and Aluminum Circuit Breaker Panelboard, RQL Series, both rated 240V max, 60 Hz, 225 A max, 14(max) RQA Branch Circuit Breakers assembled with circuit breakers of 60A max, 120Vac, 1 pole and/or 40A max, 240Vac, 2 or 3 pole, HIC 10 kA and /or RQA Branch GFCI and GFEP breakers, rated 120 Vac, 1 pole, 15 to 40 A max, HIC 10 kA; with pre-wiring load wires.

Note:

- a) Suffixes A, B, C, D and E and numbers may be added to the Cat. No. designation to denote size of the enclosure, no. of panels, system voltage and main type and no. of breakers, breaker amps, no. of breaker pole and options respectively.
- b) Operating ambient is -20C to +40C when heaters are not provided

**Ex de IIB+H2 T3/T5; IP66**

**Class I, Zone 1, AEx de IIB+H2 T3/T5; IP66**

**Class I, Division 2, Groups B, C and D, T3/T5**

**Operating ambient Ta = -20°C to +40°C**



**Certificate:** 1788693  
**Project:** 80004379

**Master Contract:** 150241  
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- Polymeric Circuit Breaker Panelboard, RQP Series, rated 240V max, 60 Hz, 225 A max, 14(max) RQA Branch Circuit Breakers assembled with circuit breakers of 60A max, 120Vac, 1 pole and/or 40A max, 240Vac, 2 or 3 pole and /or RQA Branch GFCI and GFEP breakers, rated 120 Vac, 1 pole, 15 to 40 A max; with pre-wiring load wires.

**Note:**

- a) Suffixes A, B, C, D and E and numbers may be added to the Cat. No. designation to denote size of the enclosure, no. of panels, system voltage and main type and no. of breakers, breaker amps, no. of breaker pole and options respectively.

**Ex de IIB T3/T5; IP66**

**Class I, Zone 1, AEx de IIB T3/T5; IP66**

**Class I, Division 2, Groups C and D, T3/T5; Class II, Division 1, Groups F and G; Class III; Type 4X**

**Operating ambient Ta = -20°C to +40°C or -40°C to +40°C (see note b below)**

or

**Ex de IIB+H2 T3/T5; IP66**

**Class I, Zone 1, AEx de IIB+H2 T3/T5; IP66**

**Class I, Division 2, Groups B, C, and D, T3/T5; Class II, Division 1, Groups F and G; Class III; Type 4X**

**Operating ambient Ta = -20°C to +40°C or -40°C to +40°C (see note b below)**

- Circuit breaker panelboards, RFS, RFL Series, rated 30 (max) branch circuits, rated 600 Vac max, 60 Hz, 225 A max, 10 kA at 600 Vac, assembled with circuit breaker of 1 pole, 15 to 60A max, 347 Vac; 2 or 3 pole, 15A to 150A, 600 Vac, with pre-wiring load wires or internal bus bar assembly.

**Note:**

- a) Suffixes A, B, C, D and E and numbers may be added to the Cat. No. designation to denote size of the enclosure, no. of panels, system voltage and main type and no. of breakers, breaker amps, no. of breaker pole and options respectively.
- b) Heat dissipater is required for F frame breaker rated from 80 A to 150A.
- c) Operating ambient is -20C to +40C when heaters are not provided

**APPLICABLE REQUIREMENTS**

CAN/CSA C22.2 No. 0 - 10	-	General Requirements - Canadian Electrical Code Part II
CAN/CSA C22.2 No. 213-M1987	-	Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CAN/CSA C22.2 No. 25-1966	-	Enclosures for Use in Class II Groups E, F and G Hazardous Locations
CAN/CSA C22.2 No. 60079-0:07	-	Electrical apparatus for explosive gas atmospheres. PART 0: General requirements.
CAN/CSA E60079-7-03	-	Electrical apparatus for explosive gas atmospheres. PART 7: Increased safety "e"
CAN/CSA C22.2 No. 60079-1:07	-	Electrical Apparatus for Explosive Gas Atmospheres – Part 1: Flameproof Enclosures "d"
CAN/CSA C22.2 No. 94.2-07	-	Enclosures for Electrical Equipment- Environmental Considerations.
UL 50E- 1 <sup>st</sup> Ed.	-	Enclosures for Electrical Equipment- Environmental Considerations.



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**Project:** 80004379

**Master Contract:** 150241  
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ANSI/UL 60079-0, 5 <sup>th</sup> Ed.	- Electrical apparatus for explosive gas atmospheres. PART 0: General requirements
ANSI/UL60079-1, 5 <sup>th</sup> Ed.	- Electrical Apparatus for Explosive Gas Atmospheres – Part 1: Flameproof Enclosures “d”
ANSI/UL60079-7, 4 <sup>th</sup> Ed.	- Electrical apparatus for explosive gas atmospheres. PART 7: Increased safety “e”
UL 1604, 3 <sup>rd</sup> Ed.	- Electrical Equipment for Use in Class I and II, Division 2 and Class III Hazardous Locations
UL 1203, 4 <sup>th</sup> Ed.	- Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous Locations
CAN/CSA C22.2 No. 29-M1989	- Panelboards and Enclosed Panelboards
UL 67	- Electric Panelboard

### **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.

**Nameplate adhesive label material approval information:** Type 3M Thermal polyester, certified under CSA file 99316 and UL file MH16411.

- Submitter's name;
- Catalogue designation;
- Serial number/date code;
- Electrical rating;
- Main breaker: USE ONLY TYPE EGS RFA Series, 150 A max.
- MAXIMUM CONTINUOUS LOADS ON MAIN CIRCUITS NOT TO EXCEED 80% OF THE RATINGS OF CIRCUIT BREAKER.
- THIS PANELBOARD IS CERTIFIED FOR MTG IN ANY OF THE FOLLOWING POSITIONS:
  - MAIN AT TOP
  - MAIN AT BOTTOM
  - HORIZONTALLY
- Typical wiring diagram
- Wiring range and torque
- Neutral terminal shall be marked with “N” or “Neutral”
- Grounding terminal shall be marked with “G” or “GROUND”



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- Switch shall be marked with “ON” and “OFF”
  - Main breaker shall be marked with “MAIN”
  - Marking for field wiring terminals
  - Hazardous Location Designations;
  - Operating Ambient
  - Temperature code;
  - Ingress Protection Code
  - CSA monogram with the c us designator, followed with year of certification and certificate number;
  - The warning: “LIVE PARTS BEHIND COVER – ONLY AUTHORIZED PERSONNEL TO OPEN”  
“LES PARTIES VIVANTES DERRIÈRE LA COUVERTURE - SEULEMENT DU  
PERSONNEL AUTORISÉ À OUVRIR”
  - “Caution: For temperatures below -20°C, heaters must be operational to maintain internal component temperature rating.”  
and equivalent French  
“Attention: Pour des températures inférieures à -20 ° C, les chauffages doivent être opérationnels pour maintenir la température nominale des composants internes.”
- The above Marking shall be permanently marked on a metal Nameplate (s) (0.5 mm min. thickness) and secured by rivets or on a CSA/UL Certified Self-adhesive Label(s).