



# Certificate of Compliance

**Certificate:** 80049902

**Master Contract:** 170351

**Project:** 80151806

**Date Issued:** 2023-01-03

**Issued To:** Bel Fuse Inc.  
206 Van Vorst St  
Jersey City, New Jersey, 07302  
United States

**Attention:** Editha S. Vergara

*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:** Gwangyeol Park  
Gwangyeol Park



## **PRODUCTS**

CLASS - C531167 - POWER SUPPLIES Component Type (CSA 62368-1)

CLASS - C531197 - POWER SUPPLIES - Component Type (UL 62368-1) - Component Type (UL 62368-1)

- Certified to US Stds

Component type power supplies intended for use with Information Technology and Business Equipment, where the suitability of the combination is to be determined by CSA Group.

DC-DC Converter, Model 0RQP-E0T12 series and 0RQP-H5T12 series (See below for details)

Electrical Rating:

Model	0RQP-E0T12	0RQP-H5T12
Input	36-75V <sup>===</sup> , 25A	36-75V <sup>===</sup> , 20A



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Output 12V<sup>max</sup>, 66.8A max 12V<sup>max</sup>, 54.2A max

**TYPICAL MODEL DESIGNATION:**

0	R	QP	-	E0	T	12	X	Y
I	II	III	-	IV	V	VI	VII	VIII

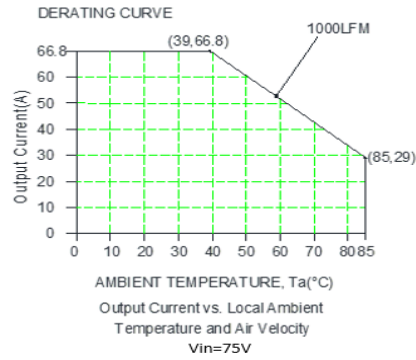
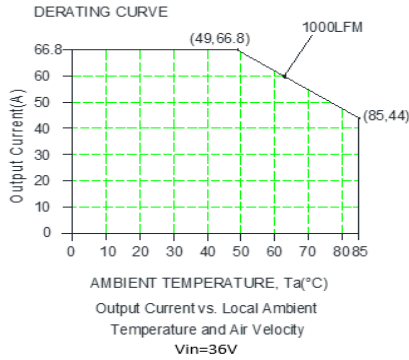
- I – Mounting Type: 0 = Through hole mount
- II – RoHS Status: R = RoHS
- III – Series Name: QP = with Power Management Bus, Trim and Sense
- IV – Output Power: E0 = 800 W, H5 = 650 W
- V – Input Range: T= 36-75 VDC typical
- VI – Output Voltage: 12 = 12 VDC
- VII – Options suffix  
Active Logic:  
A = Active high, without droop  
B = Active low, without droop  
P = Active low, with droop  
N = Active high, with baseplate  
Or any other alphanumeric characters for non-safety changes
- VIII – Options suffix  
Package Type:  
G = Tray package  
Or any other alphanumeric characters denoting non-safety critical options

**CONDITIONS OF ACCEPTABILITY**

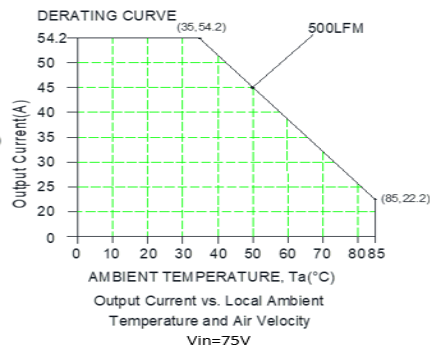
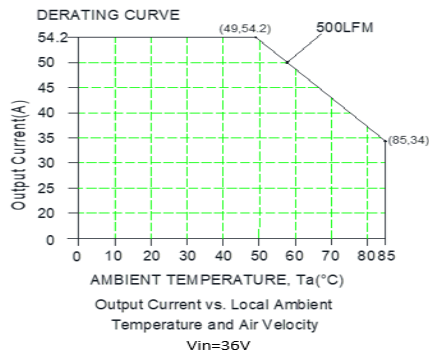
- 1) Subject models are to be installed by trained service personnel, as per manufacturer’s specifications.
- 2) Suitable fire, mechanical and electrical enclosure shall be provided in the end system.
- 3) Unit is intended to be supplied from an isolated secondary circuit and has been evaluated for basic safeguard between the input and output circuits.
- 4) The input and output connectors (pins) are suitable for factory wiring only.
- 5) The power supply unit (PSU) has been evaluated for use in a Pollution Degree 2 environment.
- 6) The Clearance values of PSU have been evaluated for an altitude of 5000m, altitude correction factor is 1.48.
- 7) The Creepage values of PSU have been evaluated for material group IIIa or IIIb.
- 8) The input circuit is classified as Electrical energy source class 2 (ES2), Power source class 3 (PS3).
- 9) The output circuit is classified as Electrical energy source class 1 (ES1), Power source class 3 (PS3).
- 10) The units were tested with 1000LFM / 500LFM external air flow, applied on the side, from input terminal Pin 3 to Pin 1 side. Ambient temperature and airflow are measured in the front of the module at the distance of 3 inch (76.2mm).

11) The unit was submitted and tested for a manufacturer’s recommended ambient maximum temperature, as follows:

**ORQP-E0T12N:**



**ORQP-H5T12:**



**APPLICABLE REQUIREMENTS**

CAN/CSA C22.2 No. 62368-1:19

UL 62368-1 3<sup>rd</sup> Ed.

- Audio/video, information and communication technology equipment – Part 1: Safety requirements
- Audio/video, information and communication technology equipment – Part 1: Safety requirements

**Notes:**

Products certified under Class C531167 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## *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>
80151806	2023-01-03	Update CSA 80049902 (0RQP-E0T12) to add alternate components
80049902	2020-07-23	DC-DC Converter, Model 0RQP-E0T12 series and 0RQP-H5T12 series (CSA c/us)