



Certificate of Compliance

Certificate: 70069700

Master Contract: 170351

Project: 70069700

Date Issued: 2016-04-21

Issued to: **Bel Fuse Inc.**
206 Van Vorst St
Jersey City, New Jersey 07302
USA
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: *Juan-Carlos Olivera*
Juan-Carlos Olivera,
MSc.

PRODUCTS

CLASS – 5311 11 - POWER SUPPLIES - Component Type (CSA 60950-1-07-2nd Ed)

CLASS – 5311 91 - POWER SUPPLIES - Component Type (UL 60950-1-2nd Ed) - Certified to U.S. Stds

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

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, Models 0RQB-C5U54Hx, 0RQB-C5U54Lx, ("x" can be 0-9, A-Z, or blank for marketing purpose, no safety relevant impact).

Electrical Ratings:

0RQB-C5U54Lx, Input: 18-75Vdc, 11A;

0RQB-C5U54Hx, Input: 16-67Vdc, 14A;

*Output: 54Vdc, 3A



Certificate: 70069700

Project: 70069700

Master Contract: 170351

Date Issued: 2016-04-21

*Note: Output is derated as per the below conditions:

0RQB-C5U54L:

Input 18 – 24Vdc, output 3A with Case temperature (Tc) 75°C; 2.6A with Case temperature (Tc) 85°C; Input 24 – 75Vdc, output 3A with Case temperature (Tc) 85°C;

0RQB-C5U54H:

Input 16 – 23Vdc, output 3A with Case temperature (Tc) 75°C; 2.6A with Case temperature (Tc) 85°C; Input 23 – 67Vdc, output 3A with Case temperature (Tc) 85°C.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 60950-1-07,
+Am.1:2011 +Am.2:2014

– Information Technology Equipment - Safety - Part 1: General Requirements

UL 60950-1-2014

– Information Technology Equipment - Safety - Part 1: General Requirements

CONDITIONS OF ACCEPTABILITY

1. All secondary output circuits are SELV and are not hazardous energy levels.
2. These models are intended to be supplied from an isolated secondary circuit.
3. The input and output connectors are not acceptable for field connections and are only intended for connection to mating connectors of internal wiring inside the end-use equipment. The acceptability of these and the mating connectors relative to secureness, insulating materials, and temperature shall be considered.
4. Basic insulation is provided between the input and output of these DC to DC converters. It was determined that under fault conditions (output short and overload) SELV limits were maintained. Additional testing may be needed if the component is connected to a source other than SELV.
5. A suitable Electrical, Fire and Mechanical enclosure shall be provided.
6. These units are tested for an input voltage range per the "ELECTRICAL RATINGS" section of this report with zero tolerance. If used outside these voltage ranges, additional testing may be required.
7. Special spacing consideration should be given to the end-use product, as the spacing between the unit and mounting surface have not been evaluated.
8. Heatsink shall be equipped in the end product. Refer to attachment 6 for heatsink installation.
9. Case temperature is measured on the center of the heatsink.



Supplement to Certificate of Compliance

Certificate: 70069700

Master Contract: 170351

*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
70069700	2016-04-21	DC-DC converters, model 0RQB-C5U54xy (C/US) Transferred from UL, updated to include Am2, and add new model with minor testing)