Certificate of Compliance

Certificate: 70027618 **Master Contract:** 170351

Project: 70027618 **Date Issued:** April 09, 2015

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 - C531111 - POWER SUPPLIES-Component Type (CSA 60950-1-07-2nd Ed)
CLASS - C531191 - 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 24IBX15-50-0, 24IBX15-50-0Z, 36IBX15-50-0 and 36IBX15-50-0Z. Model designation may be followed by suffix G which indicates ROHS compliance.

Electrical Rating:

Model	DC Input		DC Output	
	V	A	V	A
36IBX15-50-0, 36IBX15-50-0Z	24 to 160	5	50-160	2.25

24IBX15-50-0, 24IBX15-50-0Z	15.4 to 160	7.5	50-160	1.6

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. Subject models are to be installed by trained service personnel, as per manufacturer's specifications.
2. The power supplies have been evaluated for use in a Pollution Degree 2 environment.
3. Unit is intended to be supplied from an isolated secondary circuit and has been evaluated for functional insulation.
4. Abnormal and Component Failure Tests were conducted with the power supply input protected by an external fuse, rated 8 A, 250 V for 36IBX and 10 A, 250 V for 24 IBX. If a fuse rated greater than it was used on testing, additional testing may be required.
5. The units were tested for zero tolerance input voltage.
6. Special enclosure consideration should be given to the end-use installation. The end-use product should be reviewed to determine whether accessibility requirements are met for the end-use product.
7. Subject models were tested for use at the maximum case temperature (Tc) permitted by the manufacturer's specification of: 120°C Tc* points for open frame and 100°C for close frame. The units were tested with air-cooling applied from output to input.

   Open frame Units: *Tc is located at SH100 coil or D105 case.
   Close frame Units: *Tc is located at center of metal case.
8. Outputs for all models are non-SELV operating at hazardous energy levels (>240 VA).
9. Output pins are to be connected only to internal wiring in the end system as per manufacturer specifications.
10. Suitable fire and electrical enclosure shall be provided in the end system.

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

Project	Date	Description
70027618	Apr 9 2015	DC-DC Converter; Models 24IBX15-50-0, 24IBX15-50-0Z, 36IBX15-50-0 and 36IBX15-50-0Z. (C/US) (transferred from 173688 - 2619006 and upgraded to include Am2)