



Certificate of Compliance

Certificate: 70163159

Master Contract: 170351

Project: 70163159

Date Issued: 2017-11-20

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

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.

Power shelf, Model SPSPFE3-07, model number may be followed by alpha numeric characters indicating non-safety critical operations.

Electrical Rating:

Model	Input (DC)			Output (DC)	
		V	A	V	A
SPSPFE3-07	Input 1	240-380	33	V1: 12.3V	1171
	Input 2	240-380	33	V2: 12.0V	5
Maximum operating ambient: 55°C. 45°C full load, 45-55°C derating V1 output.					



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APPLICABLE REQUIREMENTS

- | | |
|--|--|
| CAN/CSA C22.2 No. 60950-1-07 +
Am1:2011 + Am2: 2014 | - Information Technology Equipment - Safety - Part 1: General Requirements |
| ANSI/UL 60950-1-2014 | - Information Technology Equipment - Safety - Part 1: General Requirements |

CONDITIONS OF ACCEPTABILITY

1. The power supply is to be installed only by trained service personnel, according to manufacturer installation instruction.
2. Evaluated as Class I (earthed equipment). Reliable earth connection shall be provided in the end use installation.
3. Evaluated for use in a Pollution Degree 2 environment, up to 4000 m altitude, 45°C ambient full load, 45-55°C with derated V1 output. Temperature tests shall be considered for specific installation conditions in the end system.
4. A suitable Electrical and Fire Enclosure shall be provided on rear side of the power supply. Front Bezel has been evaluated and meets fire, electrical and mechanical enclosure.
5. All secondary output circuits are SELV.
6. Secondary V1: 12.3V output is at Hazardous energy level.
7. The Connector Current Interruption Test was performed on the input connector for 200 cycles (insertion/withdrawal). Testing for additional cycles shall be determined during the end product evaluation, depending on end product application.
8. The equipment is rated higher than 16A. Type of connection to Mains must be determine in the end use equipment.
9. The Shelf is not intended for use in vehicles, on board ships or aircraft.
10. Reinforced/double insulation is provided at location between input and output, input 1 and input 2 and basic insulation is provided between input and chassis.



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
70163159	2017-11-20	Power shelf, model SPSPFE3-07 (C/US).