Certificate of Compliance

Certificate: 80013388 **Master Contract:** 170351

Project: 80013388 **Date Issued:** 2019-08-12

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: Mike Liew
Mike Liew

C US

PRODUCTS

CLASS - C531167 - POWER SUPPLIES - Component Type(CSA 62368-1)
CLASS - C531197 - POWER SUPPLIES - Component Type (ANSI/UL 62368-1) - Cert to U.S. Stds

AC/DC Switching Power Supply, Models SPACSCO-02, SPACSCO-04, FNP300-1012, FNP300-1012S144, FNP300-1024, FNP300-1048, FNP300S102, FNP300-48S205, SPACSCO-12, SPACCTN-01, SPACSCO-16, SPACSCO-17, SPACSCO-19, SPACSCO-20, SPACSCO-24, SPACSCO-25 and SPACSCO-28

Notes :

1) Model designation may be followed by additional letters or numbers, denoting non-safety critical options.
2) For Models FNP300-1012, FNP300-1024 and FNP300-1048, model designation may be followed by suffix H indicating hiccup current limitation or G or SXXX or SXXXG; where X indicates letters and/or numbers 0-9, denoting non-safety critical options.
3) For Models FNP300-1012S144, FNP300-48S205, model designation may be followed by G.

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COMPLETE ELECTRICAL RATINGS:

	Input (AC)			Output (DC)		
Model	**V**	**A**	**Hz**		**V**	**A**
SPACSCO-02, SPACSCO-12, SPACSCO-20 FNP300-1012	100-240	4-2	50-60	V1: V2:	12 12	25.0 0.7
SPACSCO-04, SPACCTN-01, SPACSCO-16, SPACSCO-17, SPACSCO-24, SPACSCO-25, SPACSCO-28	100-240	4-2	50-60	V1:	12	25.0
SPACSCO-19	100-240	3-1.5	50-60	V1:	12	17.0
FNP300-1024	100-240	4-2	50-60	V1: V2:	24 12	12.5 0.7
FNP300-1048, FNP300-48S205	100-240	4-2	50-60	V1: V2:	48 12	6.25 0.7
FNP300S102	100-240	5-2	50-60	V1:	12	30.0
FNP300-1012S144	90-240	4-2	50-60	V1: V2:	12 12	25.0 0.7

CONDITIONS OF ACCEPTABILITY

1. Equipment shall be installed only by trained service personnel, according to the manufacturer installation instructions.
2. Evaluated for use at max 55ºC ambient temperature (Tmra), in a Pollution Degree 2 environment.
3. Evaluated as Class I (earthed equipment). Reliable connection to Protective Earth shall be provided in the end use installation.
4. Appliance inlet for the detachable power supply cord is considered the main disconnect device.
5. Spacings were evaluated for an operating altitude of max 3048 m, based on IEC-60664-1 altitude correction factors.
6. Suitability of the enclosure provided with the equipment as a FIRE, MECHANICAL and ELECTRICAL enclosure is to be determined in the end system. Front panel meets the requirements of FIRE, MECHANICAL and ELECTRICAL enclosure.
7. The secondary output of PSU is Electrical energy source class 1 (ES1).
8. The V1 output is Power source class 3 (PS3).
9. Magnetic devices (e.g., transformer, inductor) employ an UL Unlisted Component (OBJY3), Electrical Insulation System.

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10. All models were evaluated for a manufacturer's declared input voltage tolerance of 90-264 V except for FNP300-1012S144 which was tested at 81-264 Vac and SPACSCO-19 which was tested at 85-264 Vac.
11. Equipment is not intended for use in vehicles, on board ships or aircraft.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 62368-1:14	-	Audio/video, information and communication technology equipment – Part 1: Safety requirements
UL 62368-1 2nd Ed.	-	Audio/video, information and communication technology equipment – Part 1: Safety requirements

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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
80013388	2019-08-12	AC/DC Switching Power Supply, Models SPACSCO-02, SPACSCO-04, FNP300-1012, FNP300-1012S144, FNP300-1024, FNP300-1048, FNP300S102, FNP300-48S205, SPACSCO-12, SPACCTN-01, SPACSCO-16, SPACSCO-17, SPACSCO-19, SPACSCO-20, SPACSCO-24, SPACSCO-25 and SPACSCO-28 (CUS) (upgrade 70027534 to CSA/UL 62368-1)

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