Certificate of Compliance

Certificate: 80012256 **Master Contract:** 170351

Project: 80012256 **Date Issued:** 2019-07-29

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

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 Switching Power Supply, Models SPACSCO-05, SPACSCO-18, SPDCSCO-29, SPACCTN-02, FND300-1012 and FND300-12S104, rated Input: 40.5 – 72V dc, 10 – 5A; Output: 12V dc, 25A.

Model FND300-12S152, rated Input: 40 – 72V dc, 10 – 5A; Output: 12V dc, 25A.

Note: Model may be followed by suffix H indicating hiccup current limitation or G indicating ROHS compliance or SXXX or SXXXG; where X indicates letters and/or numbers 0-9, denoting non-safety-critical options.

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Conditions of Acceptability:

When installed in the end use equipment, the following are among the consideration to be made:

1) Equipment shall be installed only trained service personal, according to manufacturer installation instructions.

2) Suitability of the equipment enclosure as a Fire, Mechanical and Electrical Enclosure is to be determined in the end use installation. Only the front panel openings have been evaluated and meet fire, electrical and mechanical enclosure.

3) The Power supply unit (PSU) has been evaluated for use in Class I equipment, Reliable connection to Protective Earth shall be provided in the end use installation.

4) The PSU has been evaluated for use in Pollution Degree 2 environment, The Creepage values of PSU have been evaluated for material group IIIb, The Clearance values of PSU have been evaluated for an altitude of 3048 m, under IEC60664-1:1992 Table A.2 (altitude correction factor is 1.15)

5) The secondary output of PSU is Electrical energy source class 1 (ES1) and Power source class 3 (PS3).

6) The PSU was tested on a listed 30A branch circuit. If use on branch circuit greater than this, additional testing may be necessary, the ground path from the input connector to the PSU case meets protective bonding and has been evaluated at 60 A.

7) The Connector Current Interruption Test was performed on the input connector of model FND300-12S152, (XCFR2), Wago, Type 721-603, for 200 cycles (insertion/withdrawal), using mating (XCFR2) connector Wago, Type 721-103/026-000. Use of other than specified connectors shall be determined during end product evaluation. Testing for additional cycles shall be determined during the end product evaluation, depending on end product application.

8) The Output connector is not suitable for field wiring; it is only intended for connection to the mating connectors in the end system. The connector was evaluated and may be used for hot swap operation. Current Interruptions Test (200 cycles) was performed.

9) Installation instructions and equipment markings related to safety shall be provided in a language acceptable in the country in which the equipment is to be installed.

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
80012256	2019-07-29	Component Power Supply, Models SPACSCO-05, SPACSCO-18, SPDCSCO-29, SPACCTN-02, FND300-1012 and FND300-12S104 (CUS) (upgrade report 70034639 to CSA/UL 62368-1)

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