



Certificate of Compliance

Certificate: 70027790

Master Contract: 170351

Project: 70027790

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. Std

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 Power Supply, Model IMY70 Series, rated Input: 50 to 137.5 Vdc. See below for details:

Model Nomenclature:

110	IMY70	24	24	0	X
I	II	III	IV	V	VI



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I – Input Voltage: 110 = 50 to 137.5 Vdc

II – Product Series: IMY70

III – Output 1: 24 = 24 Vdc

15 = 15 Vdc

12 = 12 Vdc

05 = 5.1 Vdc

IV – Output 2: 24 = 24 Vdc

V – Operating ambient range, T_A : 0 = -40 to 100°C

VI – Options Suffix: X = Letters or numbers denoting non-safety-critical options such as, but not limited to inhibit (i), current sharing (T^1), open frame (Z) and ROHS compliance (G).

Electrical Rating:

<u>Model</u>	<u>Input, DC</u>	<u>Output, DC</u>
110IMY70-24-24	50 to 137.5 Vdc, 2 A	Vo1: 24 Vdc, 1.3 A Vo2: 24 Vdc, 1.3 A
110IMY70-15-0	50 to 137.5 Vdc, 2 A	Vo1: 15 Vdc, 6 A
110IMY70-12-0	50 to 137.5 Vdc, 2.7 A	Vo1: 12 Vdc, 7.5 A
110IMY70-05-0	50 to 137.5 Vdc, 2 A	Vo1: 5.1 Vdc, 12 A

APPLICABLE REQUIREMENTS

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

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

CONDITIONS OF ACCEPTABILITY

1. Subject models were submitted and tested for a manufacturer's recommended T_c maximum temperature as follows:

110IMY70-24-24: 100°C measured on case for units with case and 115°C at T100/L100 core for open frame units.

110IMY70-12-0: 110°C measured on case for units with case and 125°C at T100 core for open frame units.



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110IMY70-05-0 and 110IMY70-15-0: 100°C measured on case for units with case and 125°C at Q101 case /T100 core for open frame units.

The units were tested at convection cooling. Temperature tests shall be considered for specific installation conditions in the end use application.

2. Reinforced insulation is maintained between input and case and reinforced insulation between input to output.
3. Component Failure Tests were conducted with the power supply protected by an external fuse rated 3.15 A, 250 Vdc. If a fuse rated greater than mentioned above is used, additional testing may be required.
4. Output is SELV and at non-hazardous energy levels (<240 VA).
5. Input and Output pins are to be connected only to internal wiring in the end system as per manufacturer specifications.
6. Suitable fire and electrical enclosure shall be provided in the end system for open frame units.
7. The equipment has been evaluated for use in a Pollution Degree 2 environment.
8. The power supply shall be properly bonded to the main protective earthing terminal in the end system. At least two of the mounting holes must be connected to Protective Earth Ground. See manufacturer's datasheet for mounting instructions. Protective Earthing Test must be conducted on end system.
9. Supply circuit must be a secondary circuit isolated from primary circuit (AC Mains) by Reinforced Insulation.



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
70027790	Apr 9 2015	DC-DC Power Supply, Model IMY70 Series. (C/US) (transferred from 173688 - 2275298 and upgraded to include Am2)